FST-ZX80D

MANUAL DE SERVIÇO

Brazilian Model

Ver. 1.0 2006.06

SS-CT100D

SS-ZX100D **HCD-ZX80DP** **SS-ZX100D**

- FST-ZX80D é composto pelos modelos descritos abaixo.

O manual de serviço se destina aos modelos abaixo.

MODELOS QUE FORMAM SISTEMA FST-ZX-80D

	FST-ZX80D
DVD Deck Receiver	HCD-ZX80D
Conjuntode Caixas	SS-ZX80DP
Caixa Frontal	SS-ZX100D
Caixa Central	SS-CT100D
Caixas Surround	SS-ZX100D

ESPECIFICAÇÕES

Alimentação 127 V ou 220 V CA,
50/60 Hz
Ajustável com seletor de tensão

Consumo
FST-ZX80D
390 W

Dimensões (LxAxP) (Aprox.)
281 × 379 × 404.5 mm

Peso (Aprox.) 16.3 kg

Acessórios fornecidos: Controle remoto (1)
Pilhas tipo AA (2)
Antena Loop de AM (1)
Antena monofilar de FM (1)
Cabo de vídeo (1)
Pés de apoio para as caixas acústicas frontais (8)
Pés de apoio para as caixas acústicas suround (8)
Pés de apoio para a caixa acústica central (4)
Cabos para caixas acústicas (4):
– Branco para a caixa acústica frontal (esquerda)
– Vermelho para a caixa acústica frontal (direita)
– Azul para a caixa acústica surround (esquerda)
– Cinza para a caixa acústica surround (direita)

ACESSÓRIOS

Part No.	Description	Remark
1-479-652-11	CONTROLE REMOTO (RM-AMU004)	
1-501-374-92	ANTENA, LOOP (antena AM)	
1-782-981-23	CABO CONECTOR RCA	
1-793-184-23	CONECTOR (TIPO F) (antena FM)	
2-672-140-11	MANUAL DE INSTRUÇÕES	
3-081-834-21	TAMPA DA BATERI	
4-244-915-01	PÉ DE APOIO (Caixas:Frontal/Surround/Central) (20 pçs)	
9-833-601-36	KIT DE CABOS (cx acustica : BR/ VM/ AZ/ CZ)	

Projeto e especificações técnicas sujeitos a alteração sem prévio aviso.

SISTEMA COMPACTO DE SOM

Sony Corporation
Sony Brasil Ltda
Publicado pelo departamento de Engenharia da Qualidade

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SONY®

HCD-ZX80D

MANUAL DE SERVIÇO

Brazilian Model

Self Diagnosis Supported model

Ver. 1.0 2006.06

Instruções do Acrobat Reader

- HCD-ZX80D é o amplificador, reprodutor de disco, tape deck e sintonizador do sistem FST-ZX80D

foto: HCD-ZX80D

O sistem incorpora Dolby* Digital, Dolby Pro Logic (II) adaptive matrix surround decoder, e DTS** Digital Surround System.
* Produzido sob licença da Dolby Laboratories.
"Dolby", "Pro Logic", e o simbolo duplo-D são marcas registradas da Dolby Laboratories.
**Produzido sob licença da Digital Theater Systems, Inc.
"DTS" e" DTS Digital Surround" são marcas registradas da Digital Theater Systems, Inc.

Seção DVD	Modelo que utiliza Mecanismo Similar	Novo
	DVD Tipo de Mecanismo	CDM74HF(M)
	Bloco ótico	KHM-313CAB/C2NP
Seção Tape deck	Modelo que utiliza Mecanismo Similar	Novo
	Tape - tipo de Mecanismo	CWN42RR603

ESPECIFICAÇÃO

Seção Amplificador

HCD-ZX80D

Medidas efetuadas a 127V, 60Hz.
240V 50/60 Hz

Potência de saída DIN: 155 W + 155 W (6 ohms a 1 kHz, DIN)

Potência de saída RMS
Caixa acústica frontal: 200 W + 200 W (6 ohms a 1 kHz, 10% THD)
Caixa acústica central: 80 W (16 ohms a 1 kHz, 10% THD)
Caixa acústica surround: 200 W + 200 W (6 ohms a 1 kHz, 10% THD)

Entradas
VIDEO INPUT (tomadas RCA): VIDEO: 1 Vp-p, 75 ohms AUDIO L/R: Tensão 250 mV, impedancia 47 kilohms
TV/SAT AUDIO IN L/R (tomadas RCA): Tensão 250 mV/450 mV, impedancia 47 kilohms
MIC 1 ou 2 (tomada fone): Sensibilidade 1 mV, impedância 10 kilohms

Saídas
AUDIO OUT (tomada RCA): Tensão 250 mV, impedância 1 kilohm
VIDEO OUT (tomada RCA)): Nível de saída máx. 1 Vp-p, não balanceado, sincronia negativa, impedancia de carga de 75 ohms
COMPONENT VIDEO OUT: Y: 1 Vp-p, 75 ohms PB/CB: 0.7 Vp-p, 75 ohms PR/CR: 0.7 Vp-p, 75 ohms
S VIDEO OUT (4-pin/mini-DIN jack): Y: 1 Vp-p, não balanceado, Sincronia negativa C: 0.286 Vp-p, impedancia de carga de 75 ohms

PHONES (minitomada estéreo): Aceita fones de ouvido de 8 ohms ou mais
FRONT SPEAKER: Utilize somente as caixas acústicas fornecidas
SURR SPEAKER: Utilize somente as caixas acústicas fornecidas
CENTER SPEAKER: Utilize somente a caixa acústica fornecida
SUBWOOFER OUT: FST-ZX80D (tomada RCA): Tensão 250 mV, impedância 1 kilohm

Reprodutor de CD

Sistema	Sistema de áudio digital e disco compacto
Laser	Laser semicondutor (DVD: λ = 650 nm, CD: λ = 790 nm) Duração da emissão: contínua

– Continua na próxima pag.–

DVD DECK RECEIVER

Sony Corporation
Sony Brasil Ltda.
Publicado por Engenharia da Qualidade

SONY®

Resposta de freqüência	DVD (PCM 48 kHz): 2 Hz – 22 kHz (±1dB) CD: 2 Hz – 20 kHz (±0.5 dB)
Formato do sistema de cor de vídeo : NTSC	

Reprodutor de fita

Sistema de gravação	4 pistas, 2 canais estéreo
Resposta de freqüência	50 – 13,000 Hz (±3 dB), utilizando fita cassete Sony tipo I

Radio

FM estéreo, sintonizador superheteródino de FM/AM

Sintonizador de FM

Faixa de sintonização	87.5 – 108.0 MHz (50 kHz step)
Antena	Antena monofilar de FM
Terminais de antena	75 ohms não balanceado
Freqüência intermediária	10.7 MHz

Sintonizador de AM

Faixa de sintonização:	530 – 1,710 kHz (com intervalo de freqüência ajustado em 10 kHz)
Antena	Antena loop de AM
Terminais de antena	Terminal da antena externa
Freqüência intermediária	450 kHz

Geral

Alimentação	127 V ou 220 V CA,
Consumo:	390 W
Dimensões (LxAxP) (Aprox.)	281 × 379 × 404.,5 mm
Peso (Aprox.)	16,3 kg

Projeto e especificações estão sujeitos a alteração sem prévio aviso.

AVISOS RELACIONADOS A COMPONENTES DE SEGURANÇA !!

COMPONENTES IDENTIFICADOS POR ⚠ OU PONTILHADO COM COM O SIMBOLO ⚠ NO DIAGRAMA ESQUEMATICO OU NA LISTA DE PEÇAS SÃO CRITICOS PARA A SEGURANÇA. SUBSTITUA ESTES COMPONENTES COM PEÇAS ESPECIFICADAS NESTE MANUAL OU EM BOLETINS TÉNICOS PUBLICADOS PELA SONY.

FUNÇÃO AUTO DIAGNÓSTICO

Função auto-diagnóstico

(Quando letras/ numeros aparecem no display)

Quando a função auto diagnóstico é ativada para prevenir o sistema contra mau funcionamento, os 5-caracteres de modo de serviço (ex. C 13 50) com a combinação de letra e 4 digitos aparecem na tela da TV e no display do painel frontal. Neste caso verifique a seguinte tabela.

Primeiros 3 caracteres de serviço	Causa e ação corretiva
C 13	O disco está sujo. • Limpe o disco com um pano macio.
C 31	O disco não está inserido corretamente. • Reinicie o sistema e recoloque o disco corretamente.
E XX (XX is a number)	Para prevenir falha de funcionamento o sistema executou a função auto-diagnóstico • Contate o serviço autorizado Sony mais próximo relatando os 5 caracteres visualizados Exemplo: E 61 10

Quando for mostrado o numero de versão na tela de TV

Quando voce liga o aparelho, o numero da versão [VER.X.XX] (X é um numero) pode aparecer na tela da TV. Embora isto não indique um mau funcionamento, só é utilizado pelo serviço Autorizado Sony, e a operação normal do aparelho não é possivel, então desligue e ligue novamente, o aparelho para voltar a funcionar normalmente.

Nota a respeito da substituição de componente tipo chip

- Não reutilize um componente tipo chip.
- O terminal negativo do capacitor tântalo pode se danificar com o aquecimento.

Reparo de Placa de Circuito Flexivel

- Mantenha a temperatura do ferro de solda á 270 ˚C durante o reparo.
- Não encoste o ferro de solda no mesmo condutor da placa por mais de tres vezes.
- Cuidado, evite forçar o condutor ao soldar e ao desoldar.

CUIDADO

A Utilização de controles e ajustes ou execução de procedimentos que não conste neste manual podem resultar em exposição a radiação nociva a saude.

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SEÇÃO 1
NOTAS DE SERVIÇO

NOTAS AO MANUSEAR O BLOCO ÓTICO OU A BASE DA UNIDADE ÓTICA

O diodo laser da unidade ótica pode sofrer descarga eletrostática e se danificar devido a diferença de potencial gerado por carga eletrostática, etc. nas roupas e no corpo humano..
Durante o reparo, preste atenção com a descarga eletrostática siga o procedimento que segue junto com a peça de reposição.
O cabo flexivel é facilmente danificado e deve ser manuseado com cuidado.

NOTAS PARA A CHECAGEM DA EMISSÃO LASER

A emissão laser neste modelo é concentrada para que possa focar a superficie do disco pela lente objetiva do bloco otico. Dessa forma quando checar a emissão do diodo laser, observe a mais de 30 cm das lentes objetivas.

SOLDA SEM CHUMBO

Placas que utilizam solda sem chumbo são impressa com a indicação (LF) o que indica que a solda não contêm chumbo.
(Cuidado: Algumas placas de circuito podem não ser identificadas com a marca LF devido ao seu pequeno tamanho)

: Identificação de solda sem chumbo (LEAD FREE)

Solda sem chumbo possui as seguintes caracteristicas.

- Solda sem chumbo derrete a temperatura 40 °C superiores á solda comum.
  Ferro de solda comum pode ser utilizado mas a ponta deve ser aplicada na junção por um tempo consideravelmente maior.
  Estações de solda devem ser ajustadas a temperatura de aproximadamente 350 °C.
  Cuidado: As trilhas de cobre (copper foil) podem se soltar se a ponta aquecer demasiadamente, portanto cuidado!
- Elevada viscosidade.
  Solda sem chumbo é mais viscosa do que a solda comum, então tenha cuidado para evitar curtos na soldagem entre os pinos dos IC's , etc.
- Utilizavel em conjunto com solda comum.
  É melhor utilizar apenas solda sem chumbo , mas é possivel utilizar tambem junto com a solda comum.

DESTRAVANDO A BANDEJA DO DVD

A função de travamento da bandeja para evitar furtos de disco é utilizado na demonstração de produtos nas lojas.

Procedimento de Destravamento :

1. Pressione [I/⏻] para ligar o aparelho
2. Pressione [DVD] para selecionar a função “DVD”.
3. Enquanto pressiona [■] pressione a tecla [⏏ OPEN/CLOSE] até que “UNLOCKED” seja indicada no display fluorescente (em torno de 5 segundos).

Nota: Quando “LOCKED” estiver sendo indicado, o disco não pode ser removido mesmo acionando [I/⏻] (power on/off) .

NOTA A RESPEITO DA SUBSTITUIÇÃO DA PLACA DMB15.

Uma nova EEPROM (IC103) na DMB15 não pode ser montada Assim, caso a placa DMB15 seja substituida, é necessário retirar EEPROM da placa antiga e transferir na nova placa.

Discos permitidos

Voce pode reproduzir os seguintes discos no aparelho. Outros discos não podem ser reproduzidos

Lista de discos permitidos

Tipo de disco	Logotipo do disco
DVD VIDEO	
DVD-RW/DVD-R	
DVD+RW/ DVD+R	
VIDEO CD	
AUDIO CD	
CD Graphics (CDG) (Latin American models only)	
CD-R/CD-RW	

"DVD+RW", "DVD-RW", "DVD+R", "DVD VIDEO", e o logotipo "CD" são marca registradas.

Notas sobre os discos

Este aparelho pode reproduzir os seguintes

- CD-ROMs/CD-Rs/CD-RWs gravados nos seguintes formatos:
  - formato VIDEO CD
  - formato AUDIO CD
  - CD Graphics (somente os modelos para a América Latina)
  - formato DATA CD que contém faixas de áudio MP3, arquivos de imagem JPEG e arquivos de vídeo DivX[2)] com o formato que esteja de acordo com ISO 9660[3)] Nivel 1, Nível 2 ou Joliet no formato expandido.
- DVD-ROMs/DVD-Rs/DVD-RWs/DVD+Rs/ DVD+RWs gravados nos formatos a seguir:
  - formato DVD VIDEO
  - formato DATA DVD que contém faixas de áudio MP3,[1)] arquivos de imagem JPEG e arquivos de vídeo DivX[2)] com o formato que esteja de acordo com UDF (Universal
  - formato VR (Gravação de Vídeo) (somente DVD-Rs/DVD-RWs)

Este aparelho não pode reproduzir os seguintes discos:

- CD-ROMs gravado no formato PHOTO CD
- parte de dados de CD-Extras4)
- parte de dados de Mixed CDs5)
- Super Audio CDs
- Discos de áudio DVD
- DVD-RAMs
- Um DVD VIDEO com um código de região diferente.
- Discos de formato fora do padrão (ex: quadrado, estrela).
- Discos com papel, etiqueta ou fita adesiva colada ou com resíduos destes materiais.

[1)] Faixas de áudio MP3 devem ser do formato MPEG 1 Áudio Camada 3.

[2)] Arquivos de vídeo DivX devem estar gravados no formato DivX com a extensão ".AVI" ou ".DIVX".

[3)] Formato ISO 9660
Um formato lógico de arquivos e pastas em CD-ROMs, definido pela ISO (International Organization for Standardization).

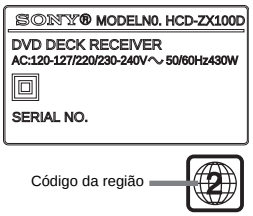
[4)] CD-Extra: Este formato grava o áudio (dados de AUDIO CD) nas faixas da sessão 1 e dados nas faixas da sessão 2.

[5)] Mixed CD: Este formato grava os dados na primeira faixa e o áudio (dados de AUDIO CD) na segunda e nas demais faixas de uma sessão.

Código de região do DVD VIDEOs que podem ser reproduzidas neste aparelho

O aparelho possui um código de região impresso no painel traseiro e reproduzirá somente os DVD VIDEOs com o mesmo código de região. Os DVD VIDEOs com 、 indicação ㊣ também poderão ser reproduzidos neste aparelho.
Se você tentar reproduzir um DVD VIDEO com outro código de região, a mensagem "Playback prohibites by area limitarions. (Reprodução deste disco proibida por limites de área)" aparecerá na tela do TV. Dependendo do DVD VIDEO esteja proibida devido aos limites de área.

Exemplo:



Nota sobre os discos DualDisc

DualDisc é um disco que possui duas faces. Em uma das faces está gravado material de DVD e em outra face material de áudio digital. A face de áudio de um DualDisc pode não ser reproduzida neste aparelho devido a esses discos não obedecerem às normas do CD.

Notas sobre CD-R/CD-RW/DVD-R /DVD-RW/DVD+R/DVD+RW

- Alguns discos, CD-Rs/CD-RWs/DVD-Rs/ DVD-RWs/DVD+Rs/DVD+RWs não podem ser reproduzidos neste aparelho devido à qualidade de gravação ou condições físicas do disco, às características físicas do disco, às características do dispositivo de gravação e autorização do software. Além disso, não é possível reproduzir um disco que não tenha sido finalizado corretamente. Para mais informações, consulte o manual de instruções
- Note que algumas funções de reprodução não atuam em alguns DVD+RWs/DVD+Rs, mesmo que eles tenham sido finalizados corretamente.
- Um disco criado no formato Packet Write não pode ser reproduzido.

Nota sobre as operações de reprodução de DVD VIDEOs e CDs

Algumas operações de reprodução dos DVD VIDEOs e VIDEO CDs podem estar intencionalmente fixadas pelos fabricantes do software. Uma vez que este aparelho reproduz DVD VIDEOs e VIDEO CDs de acordo com o conteúdo estabelecido pelo fabricante do software, alguns recursos de reprodução podem não estar disponíveis. Consulte também as instruções que acompanham os DVD VIDEOs ou VIDEO CDs.

Nota sobre PBC (Controle de Reprodução) (VIDEO CDs)

Esta aparelho está de acordo com a Ver. 1.1 e Ver. 2.0 do padrão VIDEO CD. Você pode desfrutar de dois tipos de reprodução dependendo do tipo de disco.

Tipo de disco	Você pode
VIDEO CDs sem função PBC (Ver. 1.1 discs)	Desfrute a reprodução de vídeo (filmes) e também músicas.

Tipo de disco	Você pode
VIDEO CDs com função PBC (Ver. 2.0 discs)	Reproduz software interativo utilizando o menu da tela visualizado na tela do TV (reprodução PBC), em adição às funções de reprodução de vídeo de discos Ver. 1.1. Além disso, você poderá reproduzir fotos de alta resolução, se as mesmas estiverem inclusas no disco

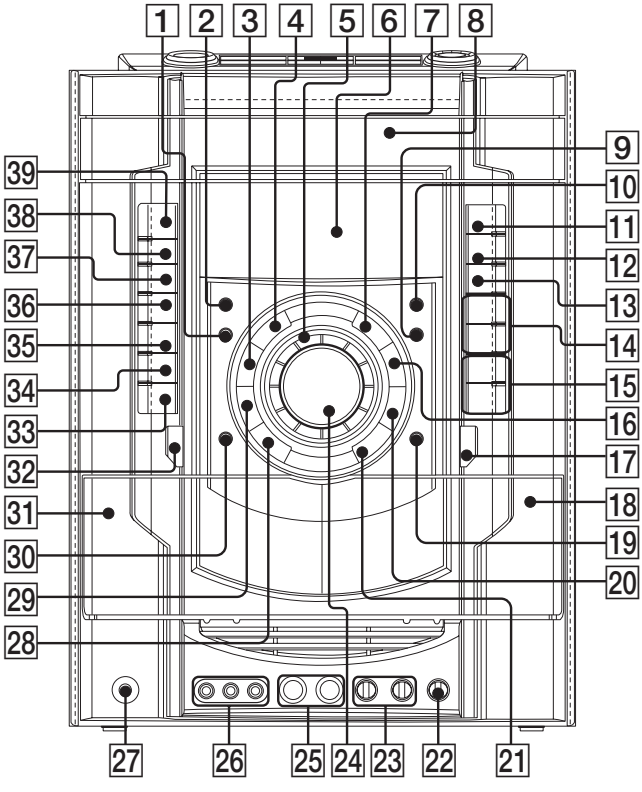
Discos de música codificados com tecnologia de proteção de direitos autorais

Este aparelho foi desenvolvido para reproduzir discos que obedeçam ao padrão "Compact Disc" (CD).
Algumas gravadoras estão protegendo seus discos de áudio com tecnologia de proteção de direitos autorais. Alguns desses discos não estão conforme o padrão CD e não podem ser reproduzidos neste aparelho.

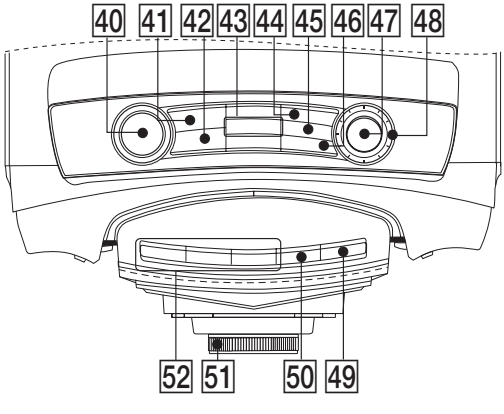
Notas sobre discos Multi Session

- Esse aparelho pode reproduzir discos Multi Session quando possuir um arquivo de áudio MP3 na primeira sessão. Outros arquivos de áudio MP3 gravados em sessões posteriores também podem ser reproduzidos.
- Esse aparelho pode reproduzir discos Multi Session quando possuir um arquivo de imagem JPEG na primeira sessão. Outros arquivos de imagem JPEG gravados em sessões posteriores também podem ser reproduzidos.
- Se a primeira sessão estiver gravada no formato AUDIO CD ou VIDEO CD, somente a primeira sessão será reproduzida.
- O aparelho reconhecerá discos Multi Session como um AUDIO CD se houver sessões gravadas no formato AUDIO CD no disco. Entretanto, o aparelho reproduzirá o disco somente se a primeira sessão estiver gravada no formato AUDIO CD.
- Com DATA CD ou DATA DVD, o aparelho reproduzirá somente arquivos de vídeo DivX mesmo que contenham faixas de áudio MP3 ou arquivos de imagem JPEG.

Painel frontal



Painel superior



continua

Controle remoto

ORDEM ALFABÉTICA

A – L

ADVANCE ●➔ 24 (22)
ALBUM +/– 11 (18, 21)
ANGLE 10 (42)
AUDIO 8 (32, 41, 67, 69, 82)
CLEAR 28 (18, 24–27, 33, 38, 52)
DISC SKIP 3 (22, 25, 26)
DISPLAY 33 (75, 77)
ENTER 26(16, 17, 21, 24–28, 31, 33–36, 38, 39, 43–48, 52, 54–57, 67–71, 73–75, 88)
FM MODE 7 (57, 87)
FUNCTION +/– 4 (16, 19, 21, 55, 58, 67, 74, 82, 86)
KARAOKE MODE 31 (67, 82, 86)
KARAOKE PON 30 (67)
KEY CONTROL ♯/♭ 32 (68)

M – S

MENU 12 (27, 29, 32–34, 37, 55, 56)
PICTURE NAVI 6 (32, 34, 39)
PRESET + 16 (55, 57)
PRESET – 23 (55, 57)
REPEAT 7 (27)
REPLAY ←● 24 (22)
SCORE 5 (71)
SLEEP 35 (18, 73)
SLOW ▮► 17 (22)
SLOW ◄▮ 22 (22)
SOUND FIELD 13 (62, 63, 65, 66, 82)
STEP II► 24 (22)
SUBTITLE 9 (43)

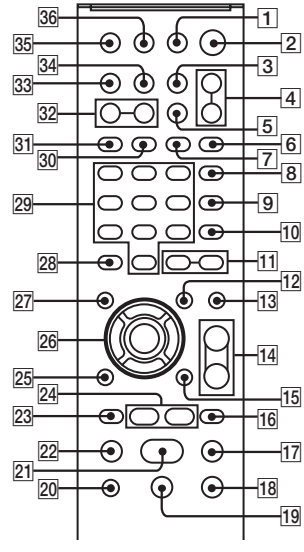
T – Z

Teclas numéricas[1] 29 (13, 18, 21, 27, 29, 39, 44–47, 49, 57)
THEATRE SYNC 1 (18)
TIMER MENU 36 (16, 73–75)
TIME/TEXT 34 (77, 78)
TOP MENU 27 (27)
TUNING + 17 (55, 57)
TUNING – 22 (55, 57)
TV 20 (13)
TV CH + 16 (13)
TV CH – 23 (13)
TV/VIDEO 35 (13)
TV VOL +/–[1] 14 (13)
TV I/⏻ (ligar/modo de espera) 2 (13)
VOLUME +/–[1] 14 (21, 54, 73, 77)

NÚMEROS E SÍMBOLOS

I/⏻ (ligar/modo de espera) 2 (13, 16, 73, 75, 83)
■ (parada) 18 (21, 23, 29, 31, 33, 34, 36, 44, 56, 74, 85)
II (pausa) 19 (21, 58)
▷[1] (reprodução) 21(21, 24, 29, 32, 34, 36, 37, 46, 50, 58, 74, 83, 85)
►►I (avanço) 16(18, 29, 31, 37, 60, 88)
I◄◄ (retrocesso) 23(29, 31, 37, 60, 88)
►► (avanço rápido) 17 (21, 58)
◄◄ (rebobinamento) 22 (21, 58)
↑/↓/←/→ 26 (16, 17, 24 28, 31 39, 43 48, 54, 62, 67, 71, 73 75, 88)
10/0 29
-/-- 28 (13)
↩ RETURN 25 (28, 31, 37, 40)
▭ DISPLAY 15 (17, 24, 25 28, 33 35, 37 40, 43, 45, 47, 54, 67, 71, 79, 88, 94)
◄II STEP 24 (22)

[1] A tecla numérica 5, e as teclas TV VOL +, VOLUME + e ▷ possuem um ponto saliente como referência. Utilize o ponto saliente como referência quando operar o aparelho.



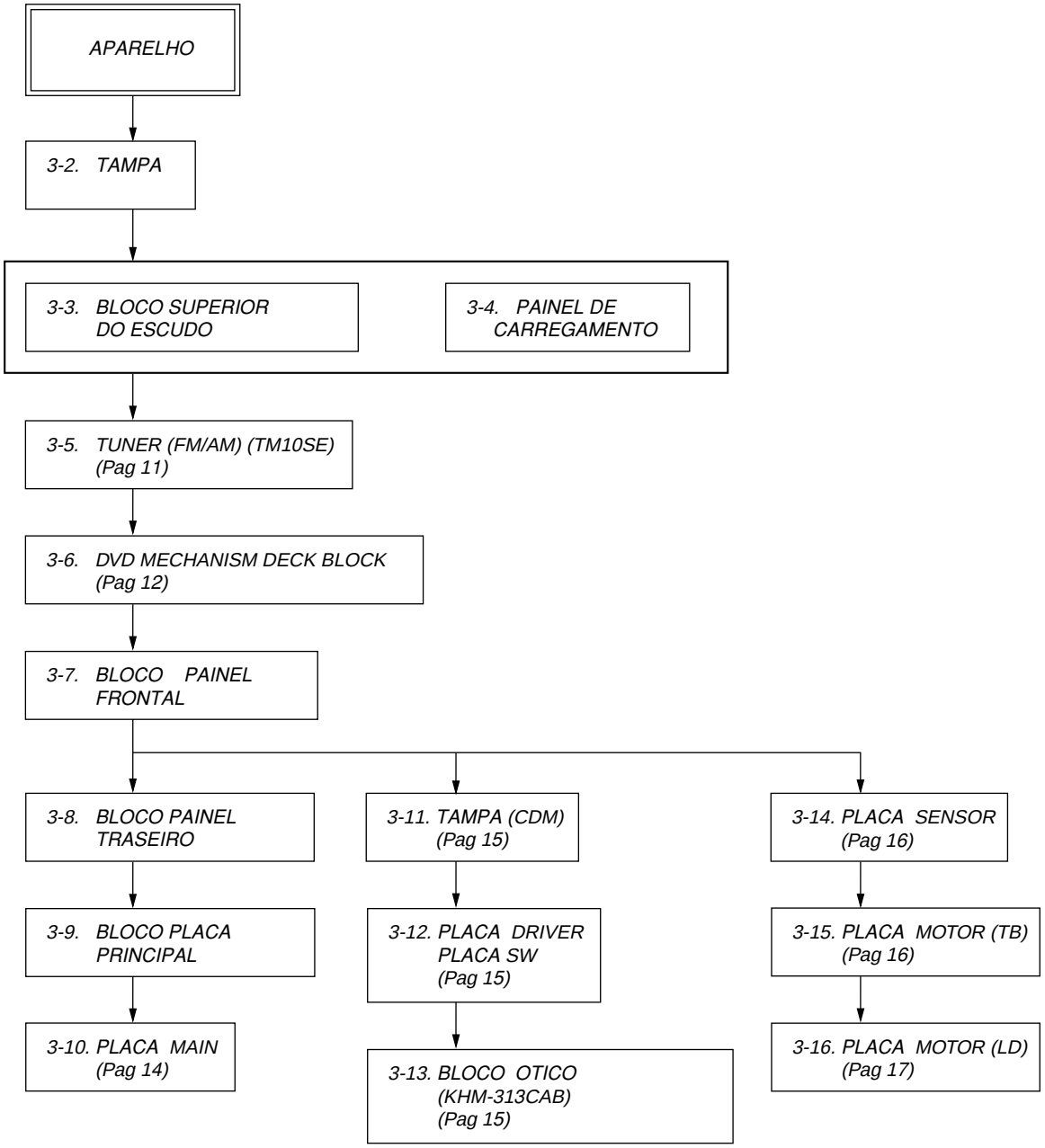
SEÇÃO 3
DESMONTAGEM

- Este aparelho pode ser desmontado conforme sequencia abaixo .

3-1. FLUXO DE DESMONTAGEM

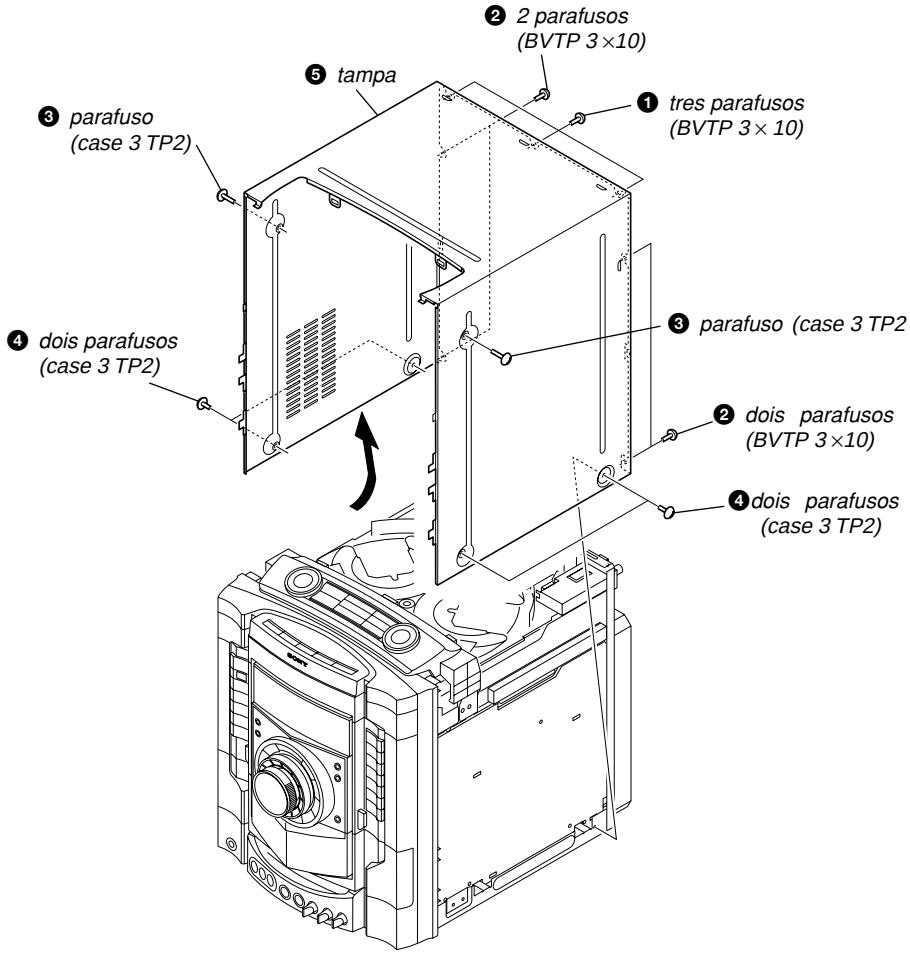
Nota 1: *O processo descrito em* ▣ *pode ser executado em qualquer ordem.*

Nota 2: *Sem completar o processo em* ▣, *o próximo processo não pode ser executado*

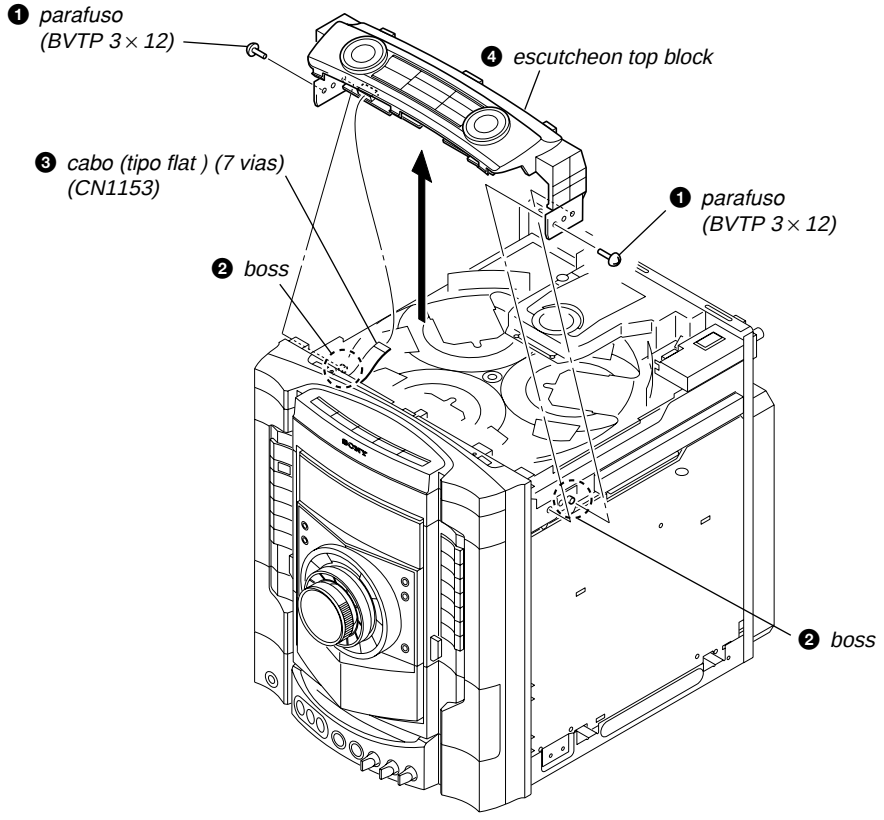

APARELHO
3-2. TAMPA
3-3. BLOCO SUPERIOR DO ESCUDO
3-4. PAINEL DE CARREGAMENTO
3-5. TUNER (FM/AM) (TM10SE) (Pag 11)
3-6. DVD MECHANISM DECK BLOCK (Pag 12)
3-7. BLOCO PAINEL FRONTAL
3-8. BLOCO PAINEL TRASEIRO
3-9. BLOCO PLACA PRINCIPAL
3-10. PLACA MAIN (Pag 14)
3-11. TAMPA (CDM) (Pag 15)
3-12. PLACA DRIVER PLACA SW (Pag 15)
3-13. BLOCO OTICO (KHM-313CAB) (Pag 15)
3-14. PLACA SENSOR (Pag 16)
3-15. PLACA MOTOR (TB) (Pag 16)
3-16. PLACA MOTOR (LD) (Pag 17)

Nota: Execute o procedimento de desmontagem em ordem numérica.

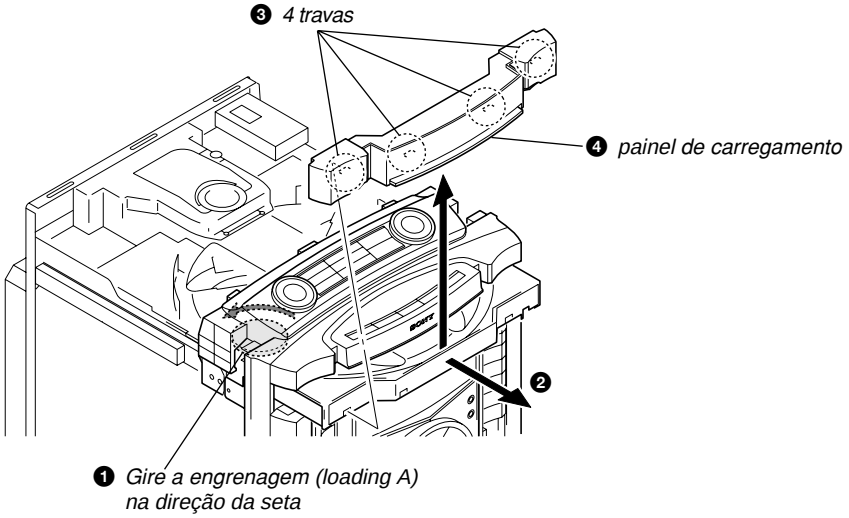
3-2. TAMPA



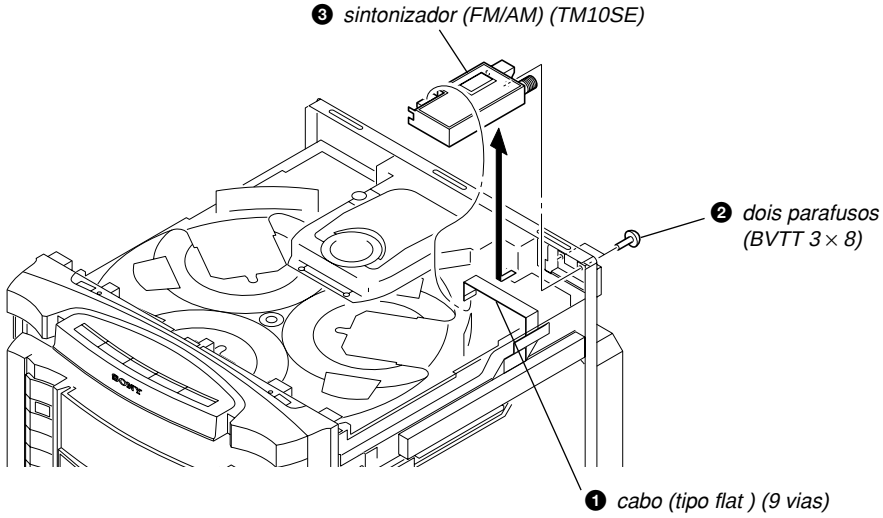
3-3. ESCUTCHEON TOP BLOCK



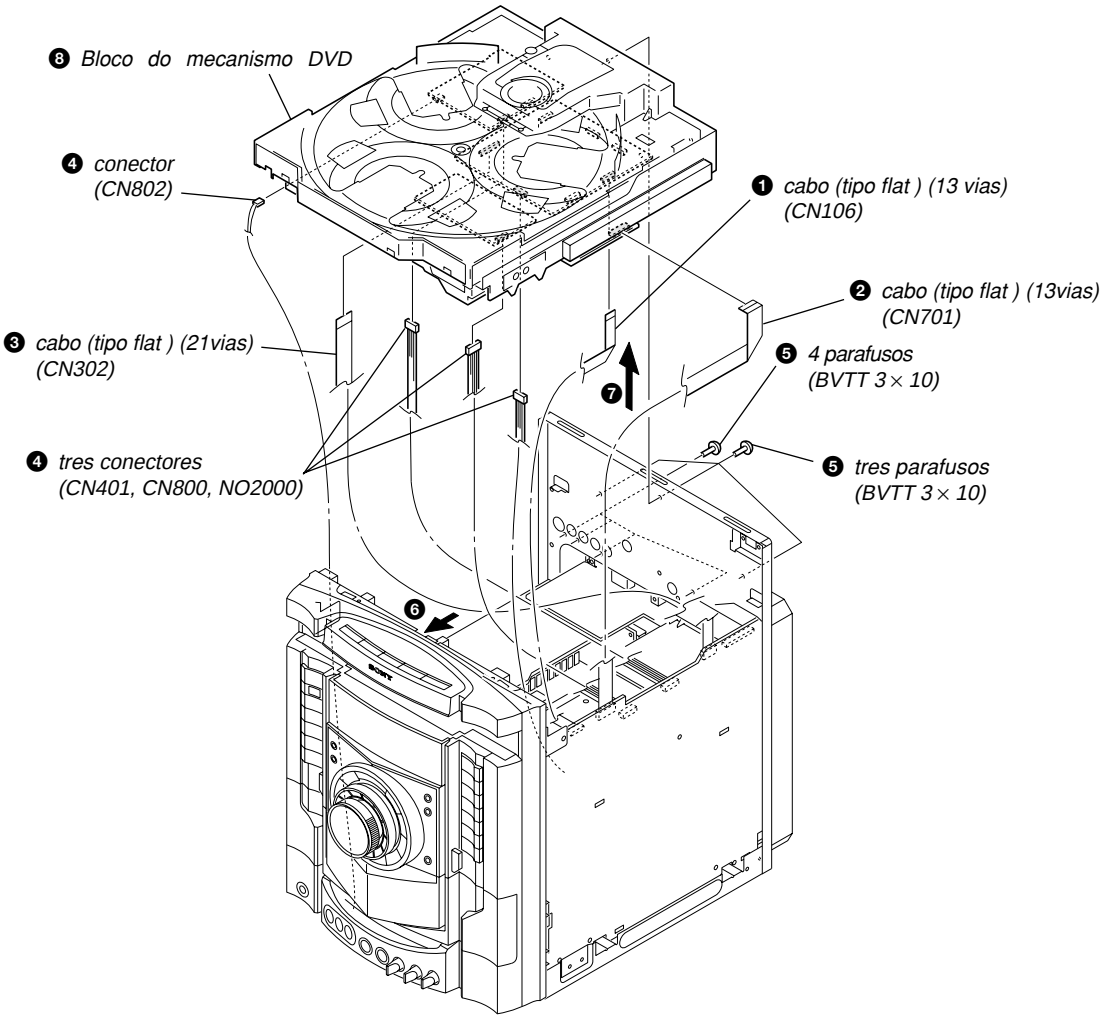
3-4. PAINEL DE CARREGAMENTO



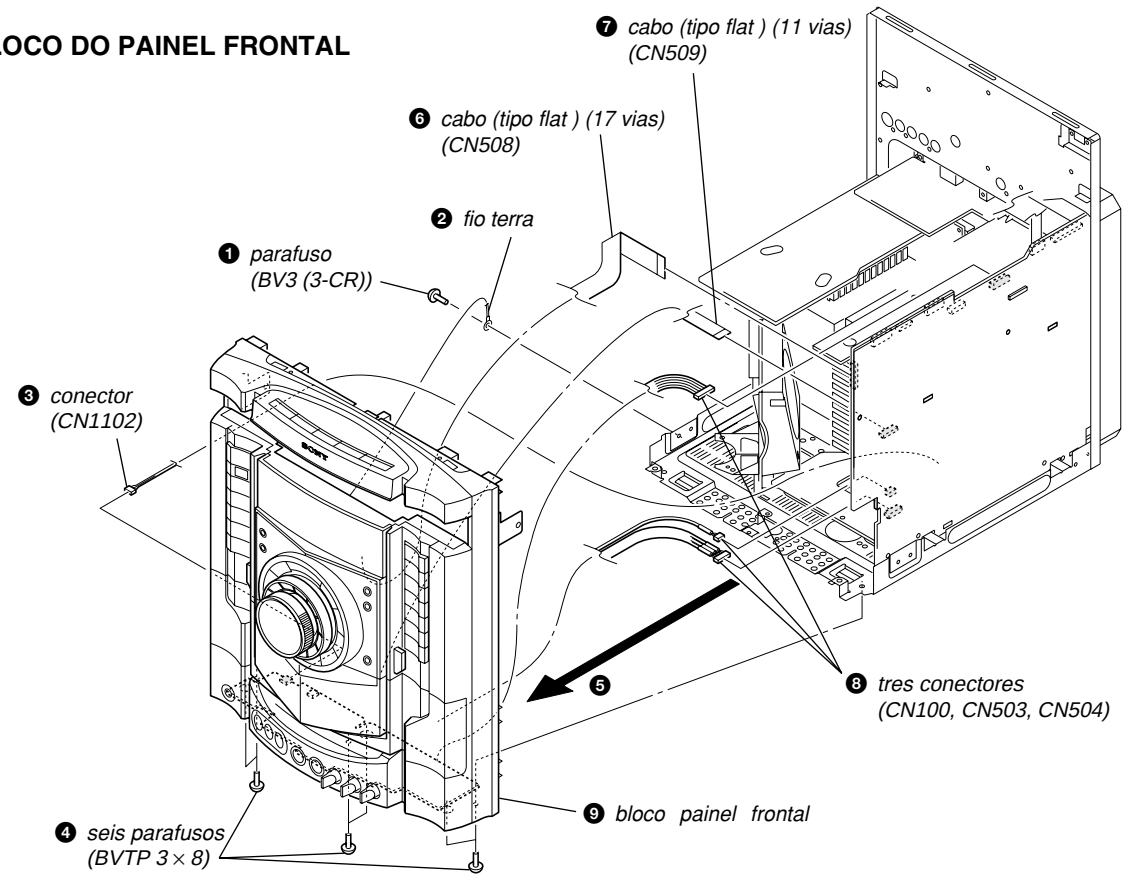
3-5. SINTONIZADOR (FM/AM) (TM10SE)



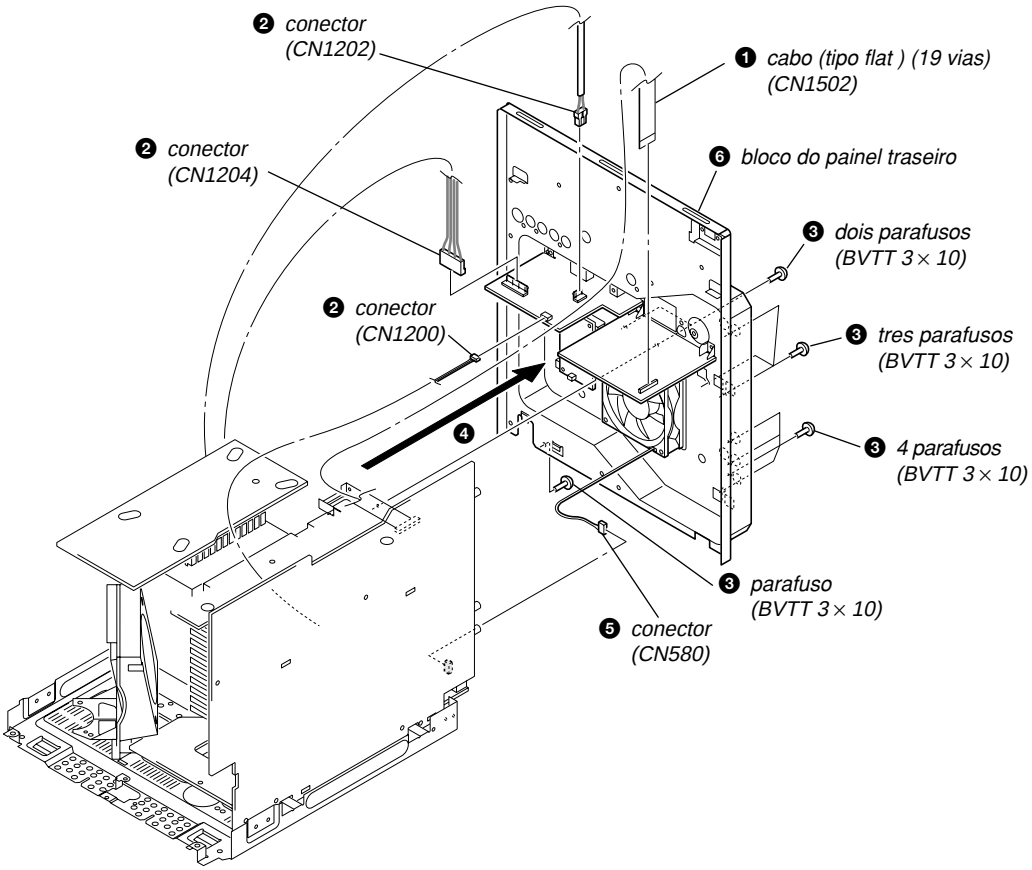
3-6. BLOCO DO MECANISMO DVD


❽ Bloco do mecanismo DVD
❹ conector (CN802)
❶ cabo (tipo flat) (13 vias) (CN106)
❷ cabo (tipo flat) (13vias) (CN701)
❸ cabo (tipo flat) (21vias) (CN302)
❺ 4 parafusos (BVTT 3× 10)
❼
❹ tres conectores (CN401, CN800, NO2000)
❺ tres parafusos (BVTT 3× 10)
❻

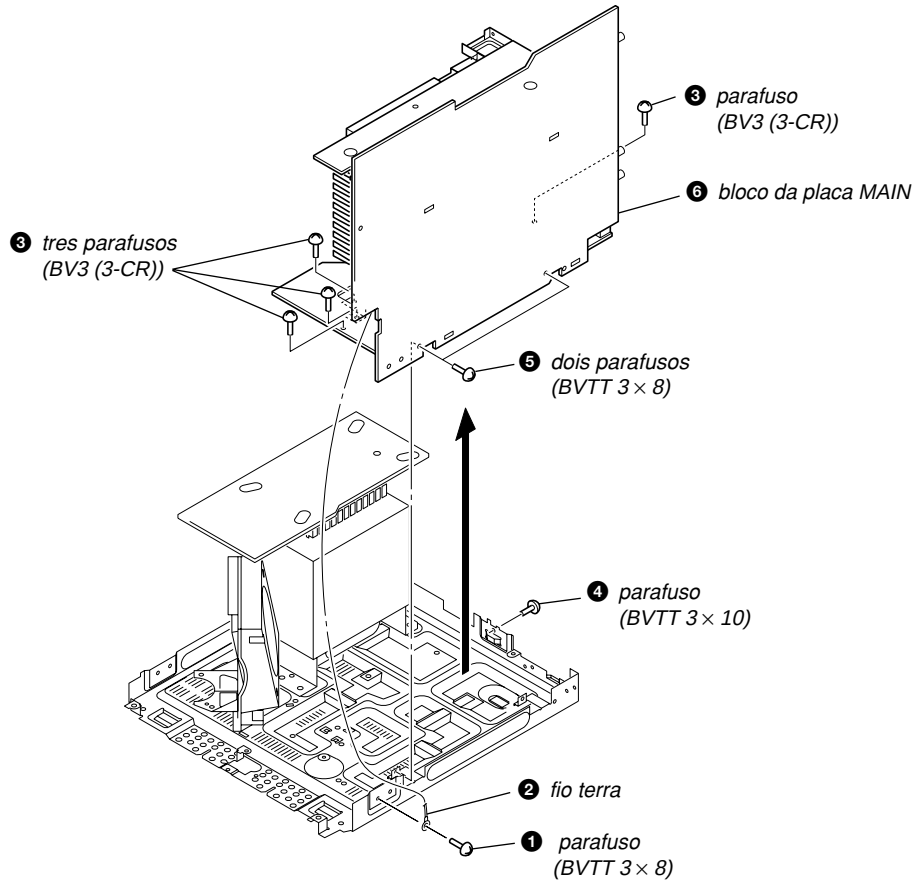
3-7. BLOCO DO PAINEL FRONTAL


❼ cabo (tipo flat) (11 vias) (CN509)
❻ cabo (tipo flat) (17 vias) (CN508)
❷ fio terra
❶ parafuso (BV3 (3-CR))
❸ conector (CN1102)
❺
❽ tres conectores (CN100, CN503, CN504)
❾ bloco painel frontal
❹ seis parafusos (BVTP 3× 8)

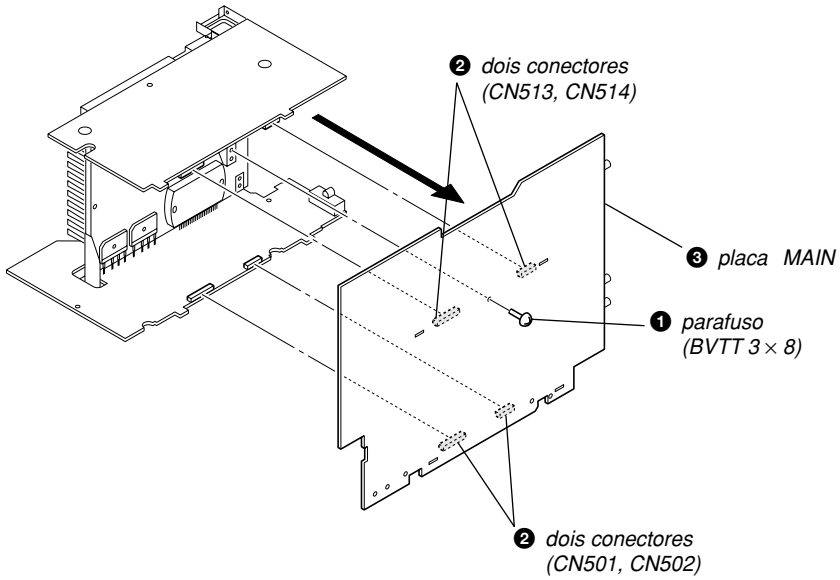
3-8. BLOCO DO PAINEL TRASEIRO


❷ conector (CN1202)
❶ cabo (tipo flat) (19 vias) (CN1502)
❷ conector (CN1204)
❻ bloco do painel traseiro
❸ dois parafusos (BVTT 3× 10)
❷ conector (CN1200)
❸ tres parafusos (BVTT 3× 10)
❹
❸ 4 parafusos (BVTT 3× 10)
❸ parafuso (BVTT 3× 10)
❺ conector (CN580)

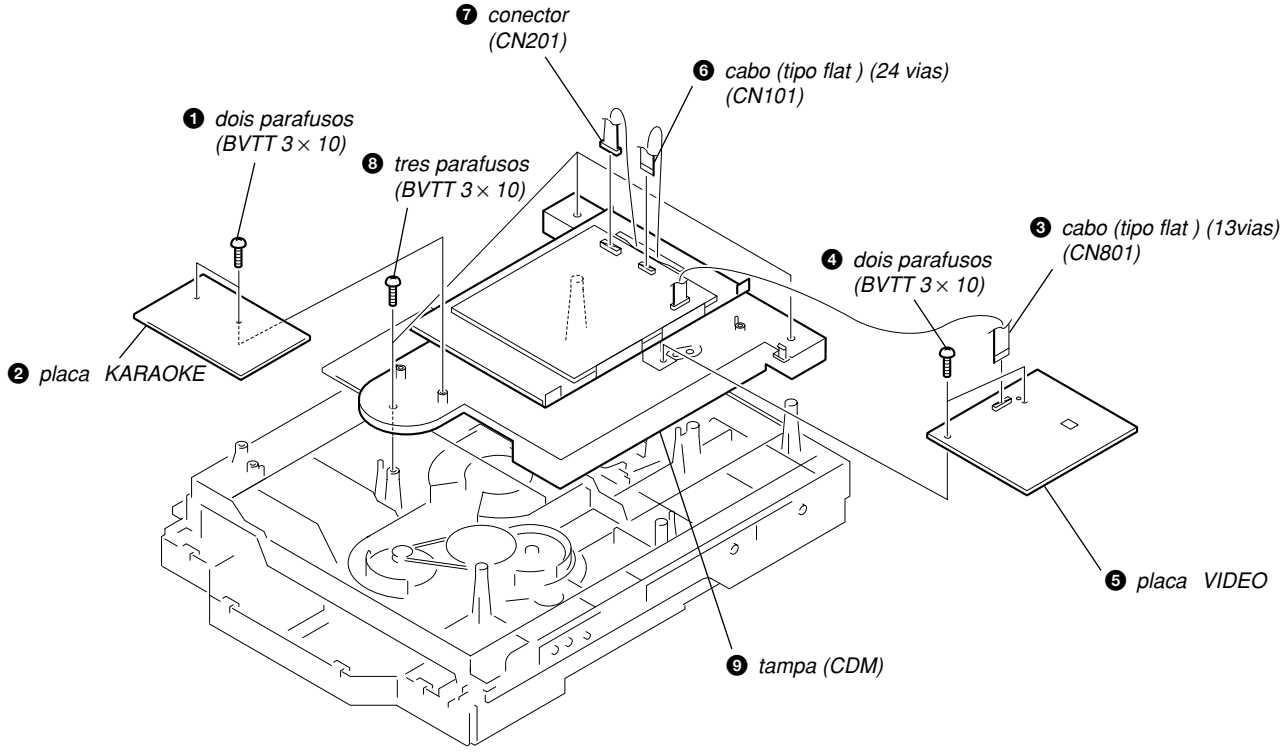
3-9. BLOCO DA PLACA MAIN


❸ parafuso (BV3 (3-CR))
❻ bloco da placa MAIN
❸ tres parafusos (BV3 (3-CR))
❺ dois parafusos (BVTT 3× 8)
❹ parafuso (BVTT 3× 10)
❷ fio terra
❶ parafuso (BVTT 3× 8)

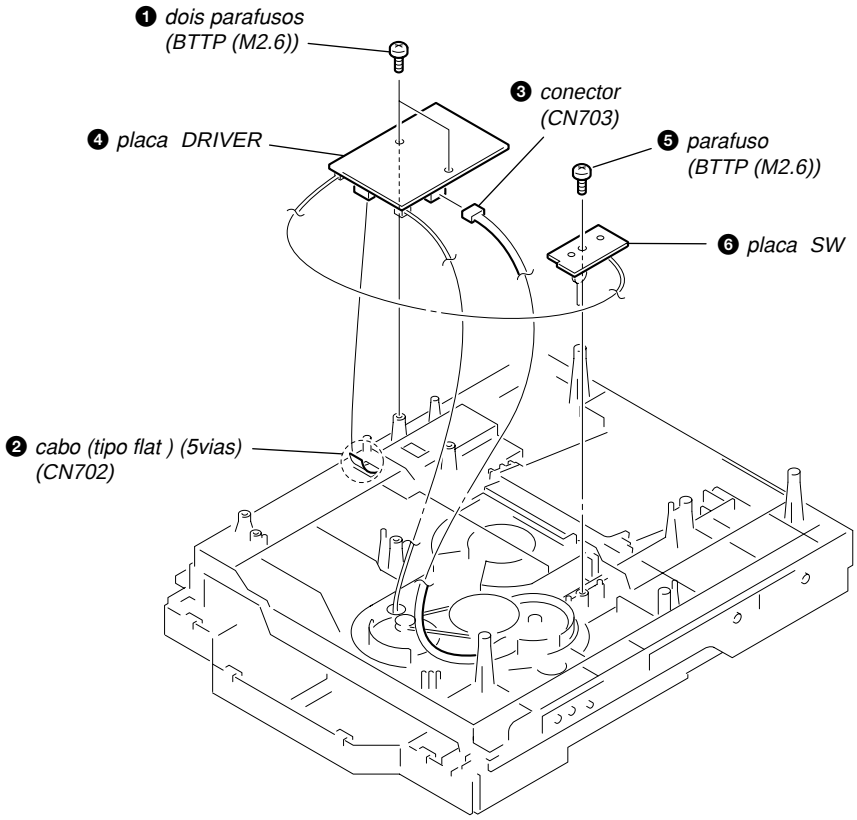
3-10. PLACA MAIN



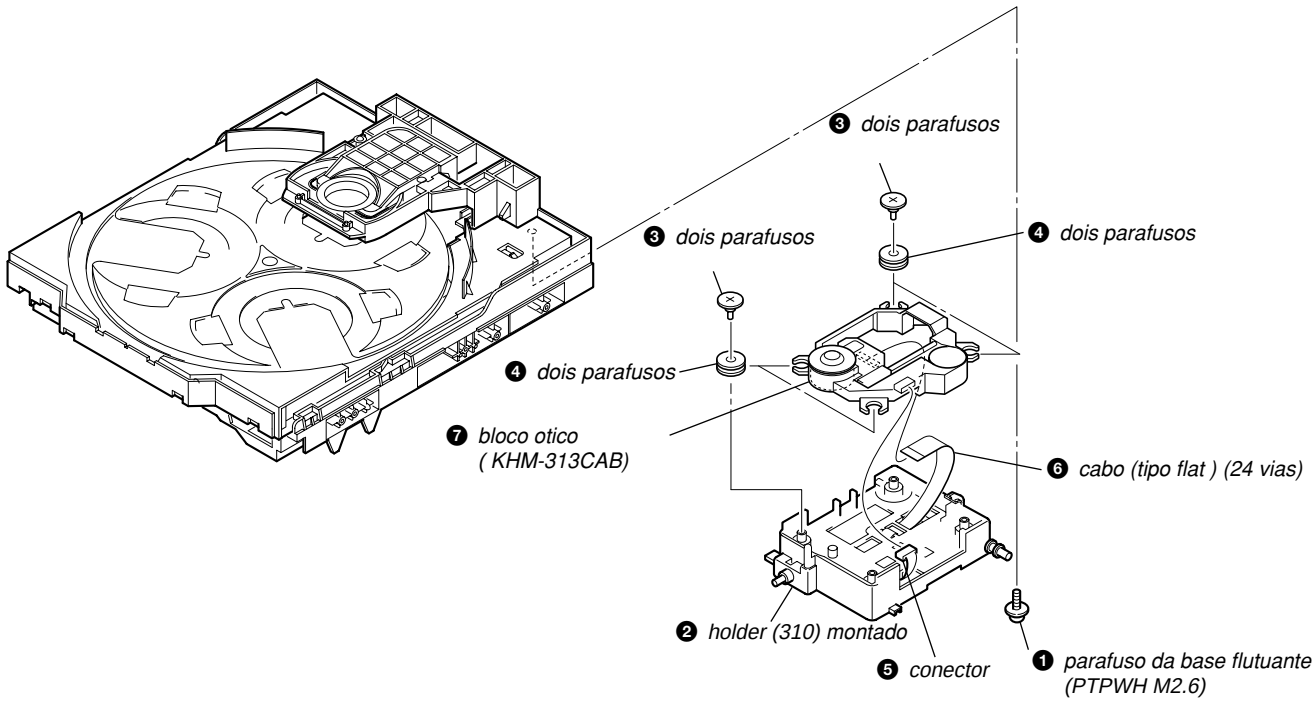
3-11. TAMPA (CDM)



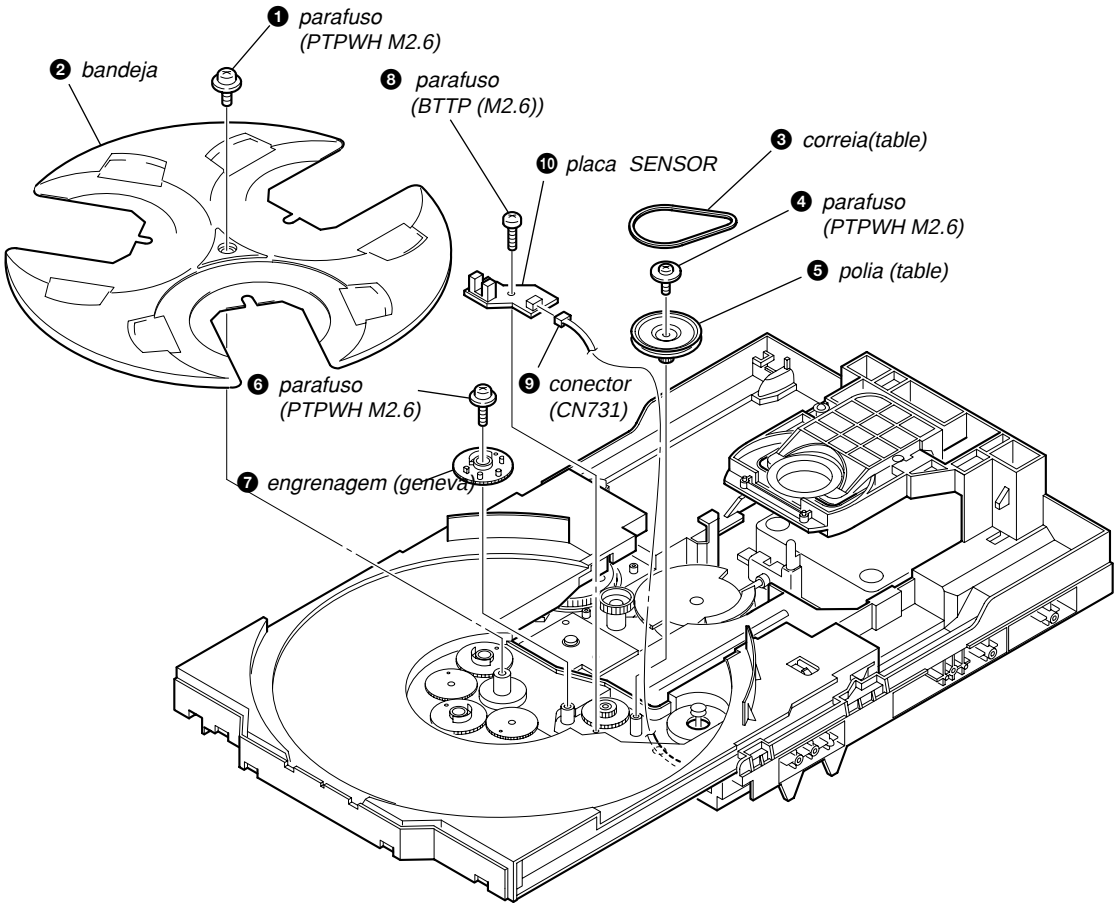
3-12. PLACA DRIVER, PLACA SW



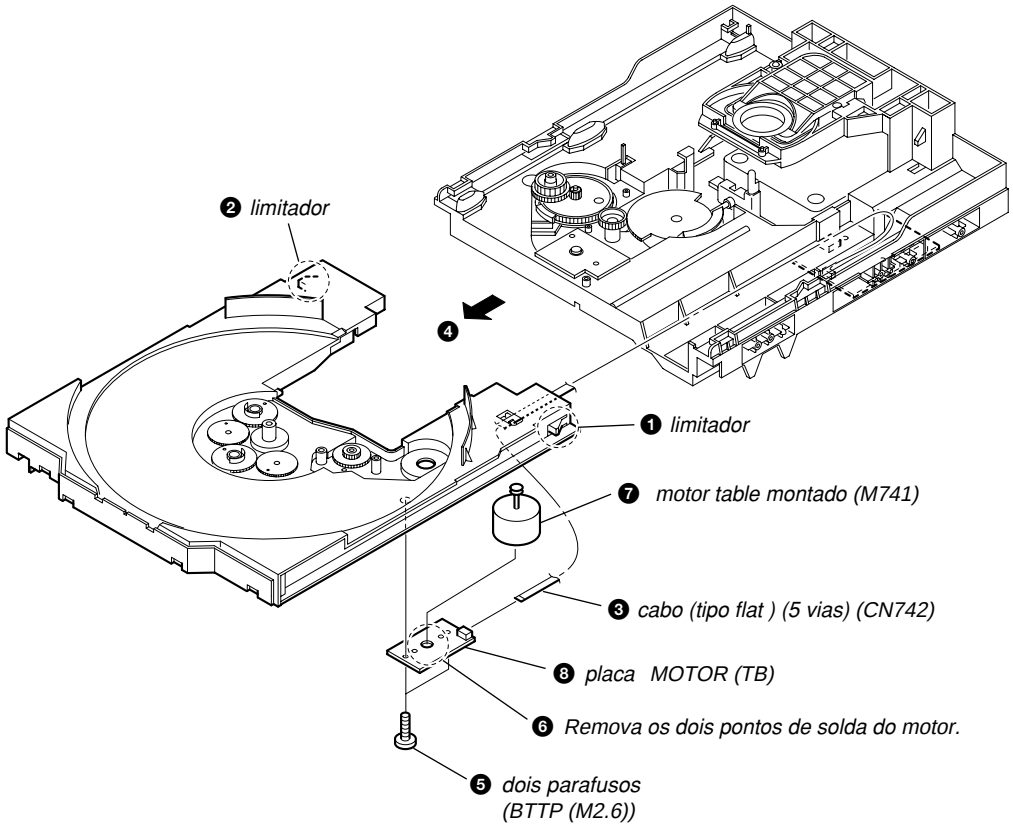
3-13. BLOCO OTICO (KHM-313CAB)



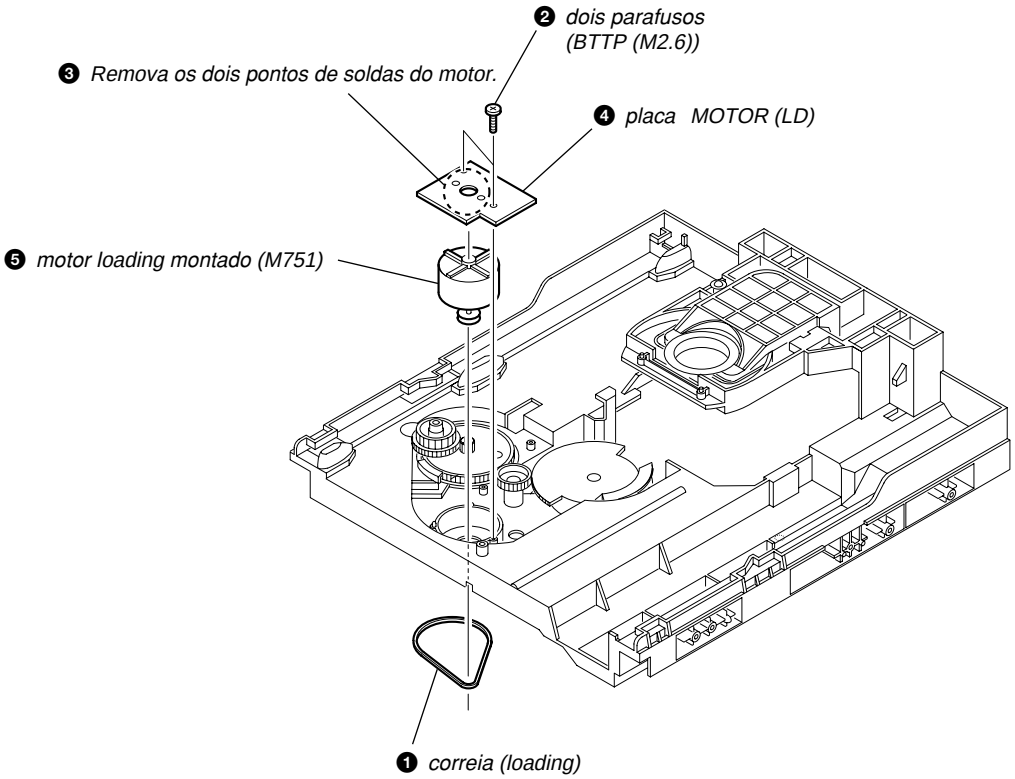
3-14. PLACA SENSOR



3-15. PLACA MOTOR (TB)


❷ limitador
❹
❶ limitador
❼ motor table montado (M741)
❸ cabo (tipo flat) (5 vias) (CN742)
❽ placa MOTOR (TB)
❻ Remova os dois pontos de solda do motor.
❺ dois parafusos
(BTTP (M2.6))

3-16. PLACA MOTOR (LD)


❷ dois parafusos
(BTTP (M2.6))
❸ Remova os dois pontos de soldas do motor.
❹ placa MOTOR (LD)
❺ motor loading montado (M751)
❶ correia (loading)

SEÇÃO 4
MODO DE TESTE

MODO DE TESTE DO PAINEL

Este modo é utilizado para checar o display fluorescente, LEDs, teclas, knob MASTER VOLUME, knob OPERATION DIAL,knob X-ROUND JOG, modo, destino, versão de software e nível VACS.

Procedimento:

1. Pressione três teclas ■ , ENTER e DISC 2 simultaneamente.
2. Todos os LEDs exceto I/⏻ LED (cor verde) e os segmentos no display fluorescente acendem.
3. Para acessar o modo de checagem da versão do software pressione a tecla DISC 1. A informação do modelo aparece no display fluorescente.
4. Cada vez que a tecla DISC 1, o display altera para indicar a informação de destino do produto, versão MC, versão GC, versão SYS, versão DVD, versão ST, versão TC, versão TA, versão TM nesta ordem, e retorna para a informação do modelo no display.
5. Quando a tecla DISC 3 é pressionada enquanto o numero de versão é mostrado exceto informações do modelo e de destino a data de criação do software é indicada.
   Quando DISC 3 é novamente pressionada, o display volta a a indicar a versão do software . Quando DISC 1 é pressionada a data de criação do software é apresentada na mesma ordem da versão do software.
6. Pressione a tecla DISC 2 O modo de checagem da tecla é ativada.
7. No modo key check, o display fluorescente apresenta "K 0 V0J0 X0". Cada vez que a tecla é pressionada, o valor "K 0" aumenta. Porém se uma tecla ja tiver sido pressionada anteriormente, esta não será mais considerada .
8. O valor "V" aumenta na forma 0, 1, 2, 3 ... se o knob MASTER VOLUME é girado no sentido horario, ou o valor diminui na forma 0, 9, 8, 7 ... se o knob MASTER VOLUME é girado no sentido anti-horario.
   O valor "J" aumenta na forma 0, 1, 2, 3 ... se o knob OPERATION DIAL é girado no sentido horario, ou o valor diminue na forma 0, 9, 8, 7 ...se o knob OPERATION DIAL é girado no sentido anti-horario.
   O valor "X" aumenta na forma 0, 1, 2, 3 ... se o knob X-ROUND JOG é girado no sentido horario, ou o valor diminue na forma 0, 9, 8, 7 ... se o knob X-ROUND JOG é girado no sentido anti-horario.
9. Quando DISC 3 é pressionada após todos os LEDs exceto I/⏻ LED (cor verde) e os segmentos do display fluorescente acender , é indicado no display fluorescente "VACS A+B F APC". A é o nível convencional VACS que é sincronizado pelo nivel de sinal .B é o nível VACS controlado pela temperatura F indica quando o FAN deve acionar em alta velocidade e vice-versa. C é o nívelVACS sincronizado pelo APVACS (Abuse Protection VACS). O nível de sinal, que ira chavear o VACS A é mostrado no centro da area do display.
10. Quando EX-CHANGE/DISC SKIP é pressionada após todos osLEDs exceto I/⏻ LED (cor verde) e segmentos do display fluorescente acenderem, os segmentos alternados do display fluorescente e LEDs acendem. Se for pressionada EX-CHANGE/DISC SKIP novamente a outra metade do segmento do display fluorescente e os LEDs devem acender
    Pressione a tecla EX-CHANGE/DISC SKIP novamente e todos os LEDs exceto I/⏻ LED (cor verde) e segmentos do display fluorescente acendem.
11. Para sair deste modo , pressione três teclas conforme indicado no item 1 ou desconecte o cabo de força.

MODO DE TESTE GERAL

Este modo se destina a checar as funções das seções do amplificador e do tape

Procedimento:

- **Para acessar o modo de teste geral**
  1. Pressione três teclas ■ , ENTER e DISC 3 simultaneamente.
  2. O anel luminoso DVD, o indicador tape A e B e a linha abaixo do anel luminoso DVD pisca em sincronismo com o display fluorescente. A função muda para "TV".

- **Checagem do amplificador**
  1. Pressione a tecla EQ BAND repetidamente até aparecer a mensagem "GEQMAX" no display fluorescente. GEQ incrementa para o valor maximo.
  2. Pressione a tecla EQ BAND repetidamente até aparecer a mensagem "GEQMIN" no display fluorescent GEQ decrementa para o valor minimo.
  3. Pressione a tecla EQ BAND repetidamente até aparecer a men- "GEQFLAT" no display fluorescente. GEQ é setado para nível flat (todos com mesmo nível).
  4. Quando o knob MASTER VOLUME é girado no sentido horario o volume aumenta até o máximo e sera apresentado a menssagem "VOLUME MAX" no display fluorescente.
  5. Quando o knob MASTER VOLUME é girado no sentido anti-horario o volume diminui e será apresentado a mensagem "VOLUME MIN" no display fluorescente.

- **Função tape**
  1. Quando a fita é inserida no deck-B e a gravação é iniciada, a função muda para "TV" automaticamente. Quando o CD SYNC é pressionado durante a função de gravação, ALC (Automatic Logic Control) é habilitada.
  2. Durante a gravação, tecle ◀◀ a gravação é interrompida e a função é alterada para "TAPE B" e a fita é rebobinada no deck B até a posição do inicio de gravação e o playback da fita inicia. Se a tecla REC PAUSE/START é pressionada ocorre a pausa e pressionando novamente recomeça a gravação, quando rebobinada, a fita é rebobina até a posição onde a pausa foi aplicada.

- **Para sair do modo de teste geral**
  1. Para sair deste modo, pressione a tecla I/⏻
  2. O cold reset é aplicado ao mesmo tempo.

COLD RESET

O cold reseta todos os dados incluindo os dados presetados e armazenados na memória RAM voltando para a condição de loja.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione três teclas ■ , ENTER e I/⏻ simultaneamente.
3. A mensagem "COLD RESET" aparece no display fluorescente. Então o display fluorescente começa a piscar enquanto o sistema é resetado.

VACS ON/OFF

Este modo é utilizado para chavear o VACS on/off (Variable Attenuation Control System).

Procedimento:

1. Pressione I/⏻ para ligar o aparelho
2. pressione duas teclas ■ e ILLUMINATION simultaneamente. A mensagem "VACS OFF" ou "VACS ON" aparece no display fluorescente.

TROCA DA FREQUENCIA DE VARREDURA DO TUNER

A frequencia do canal AM pode ser selecionado entre 9 kHz e 10 kHz.(Brasil utiliza 10khz).

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione TUNER/BAND repetidamente para selecionar "AM".
3. Pressione I/⏻ para desligar o aparelho.
4. Pressione duas teclas ENTER e I/⏻ simultaneamente. O aparelho irá ligar. Aparecerá a mensagem "AM 9k STEP" ou "AM 10k STEP" no display fluorescente e a frequencia do canal AM é alterado.

DVD SHIP MODE (COM MEMORY CLEAR)

Este modo move a bloco otico para uma posição mais segura contra vibrações e apaga os dados incluindo os dados presetados na RAM voltando para a condição de loja. Use este modo ao devolver o aparelho para o cliente.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione DVD para selecionar o modo "DVD".
3. Pressione três teclas ■ , DELAY e I/⏻ simultaneamente na condição "DVD No Disc". O aparelho desligará automaticamente.
4. Após "STANDBY" terminar de piscar no display, a mensagem "MECHA LOCK" aparece no display fluorescente e o DVD ship mode é habilitado.

DVD SHIP MODE (SEM MEMORY CLEAR)

Este modo move a bloco otico para uma posição mais segura contra vibrações.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione DVD para selecionar o modo "DVD".
3. Pressione duas teclas DVD e I/⏻ simultaneamente durante a condição "DVD No Disc".O aparelho vai desligar automaticamente.
4. Depois do display "STANDBY" terminar de piscar, a mensagem "MECHA LOCK" aparece no display fluorescente e o DVD ship mode é habilitado.

MODO DE TRAVAMENTO DA BANDEJA DVD

Este modo é utilizado para bloquear a bandeja . Quando este modo é ativado a bandeja não abre quando ⏏ OPEN/CLOSE ou EX-CHANGE/DISC SKIP é pressionado. A mensagem "LOCKED" aparece no display fluorescente.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione DVD para selecionar o modo "DVD".
3. Pressione duas teclas ■ and ⏏ OPEN/CLOSE simultaneamente segurando até "LOCKED" ou "UNLOCKED" aparecer no display fluorescente (em torno de 5 segundos).

CHAVEAMENTO TV/SAT

Este modo chaveia deTV para SAT e vice-versa.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione TV/SAT para selecionar o modo "TV".
3. Pressione duas teclas TV/SAT e I/⏻ simultaneamente A função muda pra SAT. Pressione as mesmas teclas novamente para mudar de SAT para TV.

MODO DE INIBIÇÃO DO REMOTO

Este modo desativa o funcionamento do controle remoto. Quando este modo é ativado, o sistema não responde se a tecla do controle remoto é pressionada. A mensagem "RemoteDisable" aparece no display fluorescente. Este modo é utilizado em testes e reparos quando não é esperado a atuação de controle remoto Este modo é cancelado automaticamente quando a alimentação AC é removida.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione três teclas ■ , FLANGER e DISC 2 simultaneamente, até aparecer "RemoteDisable"ou "RemoteEnable" no display fluorescente

MODO TCM OFFLINE

este modo previne que o sistema desligue automaticamente quando TCM não esta conectado. De outra forma medições podem ser feitas mesmo quando oTCM não esta conectado na linha de produção.

Procedimento:

1. Quando o aparelho esta desligado, pressione tres teclas EQ BAND, TAPE A/B e I/⏻ simultaneamente. O aparelho vai ligar.
2. A mensagem "TCM OFFLINE" aparece no display fluorescente.

INDICAÇÃO MTK FIRMWARE

Este modo é utilizado para mostrar a versão MTK firmware .

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione DVD para selecionar o modo "DVD".
3. Pressione I/⏻ para desligar o aparelho.
4. Pressione duas teclas ■ e I/⏻ simultaneamente. O aparelho vai ligar.
5. A versão do MTK firmware aparece na tela da TV .

MTK OFFLINE

Este modo habilita a saida de audio de uma função diferente de DVD para permitir a checagem da saida de audio do aparelho sem conectar o MTK.

Procedimento:

1. Pressione I/⏻ para ligar o aparelho.
2. Pressione três teclas ■ , FLANGER e DISC 1 simultaneamente e a mensagem "MTK OFFLINE" aparece no display fluorescente.

SEÇÃO DVD

1. DESCRIÇÃO GERAL DO MODO DE SERVIÇO DO DVD

Este modo permite fazer diagnósticos e ajustes facilmente utilizando o controle remoto e a tela de TV. Os resultados e os diagnósticos são mostrados na tela.

2. ENTRANDO NO MODO DE SERVIÇO DVD

Procedimento:

1. Pressione [I/⏻] para ligar o aparelho.
2. Pressione [DVD] para selecionar o modo "DVD".
3. Pressione as teclas [■] e [⏏ OPEN/CLOSE] simultaneamente e gire o knob [MASTER VOLUME] em sentido horario.
4. A mensagem "SERVICE IN" aparece no display fluorescente e o menu principal Remocon Diagnosis Menu aparece na tela do monitor conforme segue.
   O nome do modelo, versão IF-con e versão do Syscon são mostrados na parte de baixo da tela.

```
      Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History
4. Version Information



Model Name :xxxxxxxxxx
IF-con:Ver.xx.xx(xxxx)
Syscon:Ver.x.xxx
```

5. Para executar cada função, pressione o numero correspondente no controle remoto.
6. Para sair deste modo,, pressione a tecla [I/⏻] para desligar o aparelho.

3. MEDIÇÃO IOP

A sequencia para medir o IOP deve ser executada conforme indicado a seguir:

Procedimento:

1. No menu principal Remocon Diagnosis Menu, selecione "2 Drive Manual Operation" pressionando a tecla [2] no controle remoto. A tela seguinte é apresentada.

```
      Drive Manual Operation

1. Servo Control
2. Track/Layer Jump
3. Manual Adjustment
4. Mecha Test Mode
5. MIRR time Adjust
0. Return to Top Menu
```

2. Selecione"3. Manual Adjustment" pressionando a tecal [3] no controle remoto. A tela seguinte é apresentada.

```
           Manual Adjust
1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq boost Adjust:
6. Iop:
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:
[↑][↓]  Change Value
[RETURN]Return to previous menu
```

3. Selecione "6. Iop:" pressionando a tecla [6] no controle remoto.
4. Espere até aparecer um numero hexadecimal na tela.

```
           Manual Adjust
1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq boost Adjust:
6. Iop: ED:
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:
[↑][↓]  Change Value
[RETURN]Return to previous menu
```

5. Converta o dado hexadecimal para decimal utilizando a tabela de conversão.
6. Se o valor for menor que 93 (decimal), resultado OK. Porém se o valor for maior que 93, então BU (base unit) tem problema e necessita ser substituida.
7. Pressione [↩ RETURN] no controle remoto para retornar ao menu anterior.
8. Pressione a tecla [0] no controle remoto tpara retornar ao menu principal Remocon Diagnosis Menu.
9. Pressione [I/⏻] para desligar o aparelho

4. VERIFICANDO O HISTÓRICO DE EMERGENCIA

Para checar o histórico de emergencia, favor seguir o procedimento abaixo.

Procedimento:

1. No menu Remocon Diagnosis Menu, selecione"3. Emergency History" pressionando a tecla [3] no controle remoto. A seguinte tela é mostrada.

```
         Emg. History Check
Laser Hours      CD    999h  59min
                 DVD   999h  59min

01. 01 05 04 04      00 92 46 00
    00 00 00 00      00 00 23 45

02. 02 02 01 01      00 A9 4B 00
    00 00 00 00      00 00 23 45


[Next]Next page [Prev]Prev page
[0]Return to Top Menu
```

2. Voce pode checar o tempo total que o laser foi acionado em modo playback do DVD e CD no menu acima. O tempo máximo, que pode ser mostrado é 999h 59min.
3. Voce pode checar os ultimos 10 códigos do historico de emergencia no menu anterior. Para ver as paginas anterior e posterior do histórico de emergencia, tecle [⏮] ou [⏭] no controle remoto. O codigo de erro consiste de três tipos de código de erro.

A. Codigo de Erro

```
        Example of Error code

01. 01 05 04 04      00 92 46 00
    00 00 00 00      00 00 23 45
```

Significado do código de erro

01: Erro de comunicação(O syscon não responde)
02: Syscon inoperante
03: Solicitado desligar ao travar o syscon
19: Desligamento térmico.
24: Erro no deslocamento do sled
25: Erro no movimento do mecanismo (5 changer)
26: Erro de posição do mecanismo
30: Erro de ajuste do motor DC
31: Erro de ajuste de offset do DPD
32: Erro de balanço de tracking TE .
33. Erro do sensor de ajuste TE .
34. Erro de ganho TE .
35. Erro de ajuste de ganho FE .
36. Jitter elevado após o ajuste.
40. Focus NG
42. Focus layer jump NG
52. Erro Open kick spindle
51: Erro Spindle stop .
60: Erro Focus on .
61: Erro Seek fail .
62: Erro Read Q data/ID
70: Falha de leitura Lead in
71: Excesso no tempo de leitura do TOC (CD)
80: Não pode armazenar no buffer
81: Tipo de midea desconhecida.

B. Codigo de parametro de erro

Este é o detalhe do cídigo de erro.

```
        Example of Error code

01. 01 05 04 04      00 92 46 00
    00 00 00 00      00 00 23 45
```

C. Time of error code

Este é o tempo de laser quando ocorreu o erro.

```
        Example of Error code

01. 01 05 04 04      00 92 46 00
    00 00 00 00      00 00 23 45
```

Para apagar o tempo de uso do Laser

Pressione [DISPLAY] no controle remoto e então pressione a tecla [CLEAR] no controle remoto. Os dados de CD e de DVD serão resetados.

```
          Emg. History Check
Laser Hours     CD      0h   0min
                DVD     0h   0min

01. 01 05 04 04      00 92 46 00
    00 00 00 00      00 00 23 45

02. 02 02 01 01      00 A9 4B 00
    00 00 00 00      00 00 23 45


[Next]Next page [Prev]Prev page
[0]Return to Top Menu
```

Para apagar o histórico de Emergencia

Pressione [MENU] no controle remoto e então pressione a tecla [CLEAR] no controle remoto. Os códigos de emergencia para todos os históricos de emergencia serão resetados.

```
          Emg. History Check
Laser Hours     CD    999h  59min
                DVD   999h  59min

01. 00 00 00 00      00 00 00 00
    00 00 00 00      00 00 00 00

02. 00 00 00 00      00 00 00 00
    00 00 00 00      00 00 00 00


[Next]Next page [Prev]Prev page
[0]Return to Top Menu
```

Para retornar ao menu principal Remocon Diagnosis Menu

Pressione [0] no controle remoto

5. CHECAGEM DA INFORMAÇÃO DE VERSÃO

Para checar a informação de versão , favor seguir os seguintes procedimentos.

Procedimento

1. No menu principal Remocon Diagnosis Menu, selecione “4. Version Information” pressionando a tecla [4] no controle remoto.. A seguinte tela é mostrado.

```
        Version information

Firm(Main): Ver. X.XXXX
Firm(Sub): XX.XX
RISC: XXXXXX
8032: XXXXXX
Audio DSP: XX.XX.XX.XX
Servo DSP: XX.XX.XX.XX



[0]Return to Top Menu
```

2. Para retornar ao menu principal Remocon Diagnosis Menu, pressione [0] no controle remoto,

SEÇÃO 5
AJUSTES MECÂNICOS

PRECAUÇÃO

1. Limpe a s peças abaixo com alcool isopropilico

   cabeça record/playback pinch roller (rolete)
   cabeça de apagamentor correias
   capstan idlers
2. Desmagnetize a cabeça record/playback com um demagnetizador apropriado..
3. Não utilize chaves magnetizadas para executar ajustes
4. Após os ajustes, aplicar produto para selar as partes ajustadas.
5. Os ajustes devem ser feitos com a tensão nominal de alimentação a menos que especificado em contrário.

MEDIÇÃO DO TORQUE

Modo	Torque Meter	Medição
FWD	CQ-102C	3.06 – 6.96 mN·m (31 – 71 g·cm)
FWD Back Tension	CQ-102C	0.19 – 0.58 mN·m (2.0 – 6.0 g·cm)
REV	CQ-102RC	3.06 – 6.96 mN·m (31 – 71 g·cm)
REV Back Tension	CQ-102RC	0.19 – 0.58 mN·m (2.0 – 6.0 g·cm)
FF/REW	CQ-201B	6.96 – 14.02 mN·m (71 – 143 g·cm)
FWD	CQ-403A	9.80 mN·m more than 100 g
REV	CQ-403R	9.80 mN·m more than 100 g

SEÇÃO
AJUSTES ELÉTRICOS

SEÇÃO DECK | 0 dB=0.775 V

1. Desmagnetize a cabeça record/playback head com um desmagnetizador apropriado.
2. Não utilize chaves magnetizadas para executar ajustes
3. Após os ajustes, aplicar produto para selar as partes ajustadas.

FITA DE TESTE

Tape	Sinal	Aplicação
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment

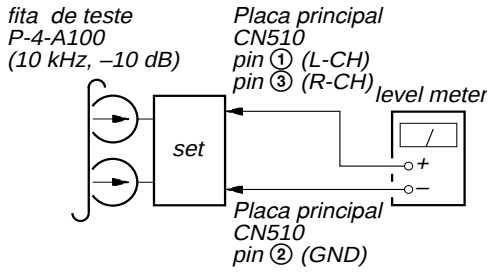
AJUSTE DE AZIMUTE DA CABEÇA REC/PLAYBACK

DECK A **DECK B**

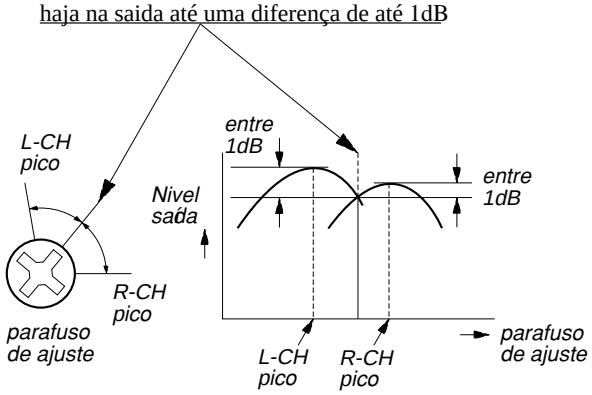
Nota : Execute este ajuste em ambos os decks.

Procedimento:

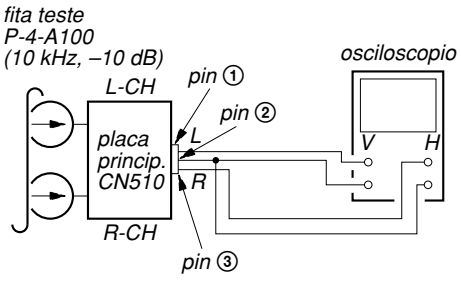
1. Modo: Playback

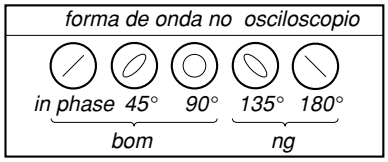


2. Gire os parafusos de ajustes e observe os picos. Se os picos não se igualarem para L-CH e R-CH, posicione a chave para que haja na saida até uma diferença de até 1dB



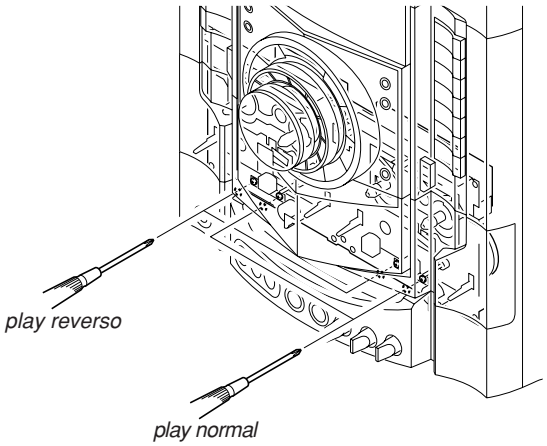
3. Modo: Playback





4. Após os ajustes, aplicar produto para selar as partes ajustadas.

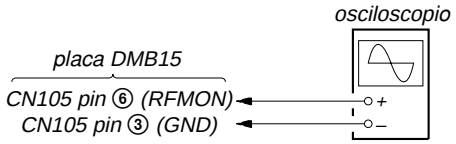
Localização dos ajustes: Cabeça Playback (DECK-A)
Cabeça Record/Playback/Erase (DECK-B)



SEÇÃO DVD

CHECAGEM DO NIVEL RFMON

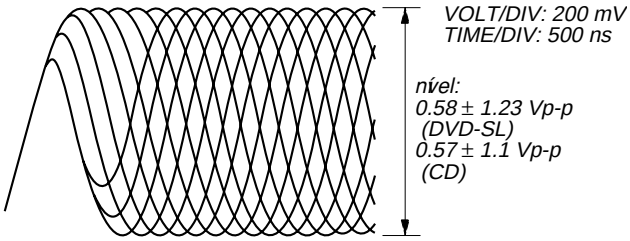
Conexão :



Procedimento :

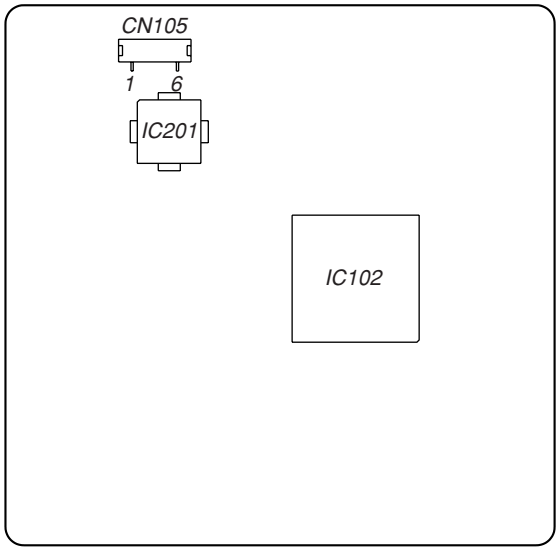
1. Conecte um osciloscópio entre CN105 pin ⑥ (RFMON) e CN105 pin ③ (GND) na placa DMB15 .
2. Pressione I/⏻ para ligar o aparelho ,pressione então ⏏ OPEN/CLOSE para abrir a bandeja do CD .
3. Coloque o disco (DVD-SL (NTSC): HLX-503 (Cod No. J-6090-069-A, CD: YEDS-18 (Cod No. 3-702-101-01) na bandeja e pressione então ◀▶ para reproduzir.
4. Confirme que a forma de onda no osciloscópio é limpa e se o nível de sinal RFMON esta correto ou não.

Nota: Um sinal de RFMON limpo significa que a forma de onda "◊" pode ser claramente distinguida no centro da forma de onda .



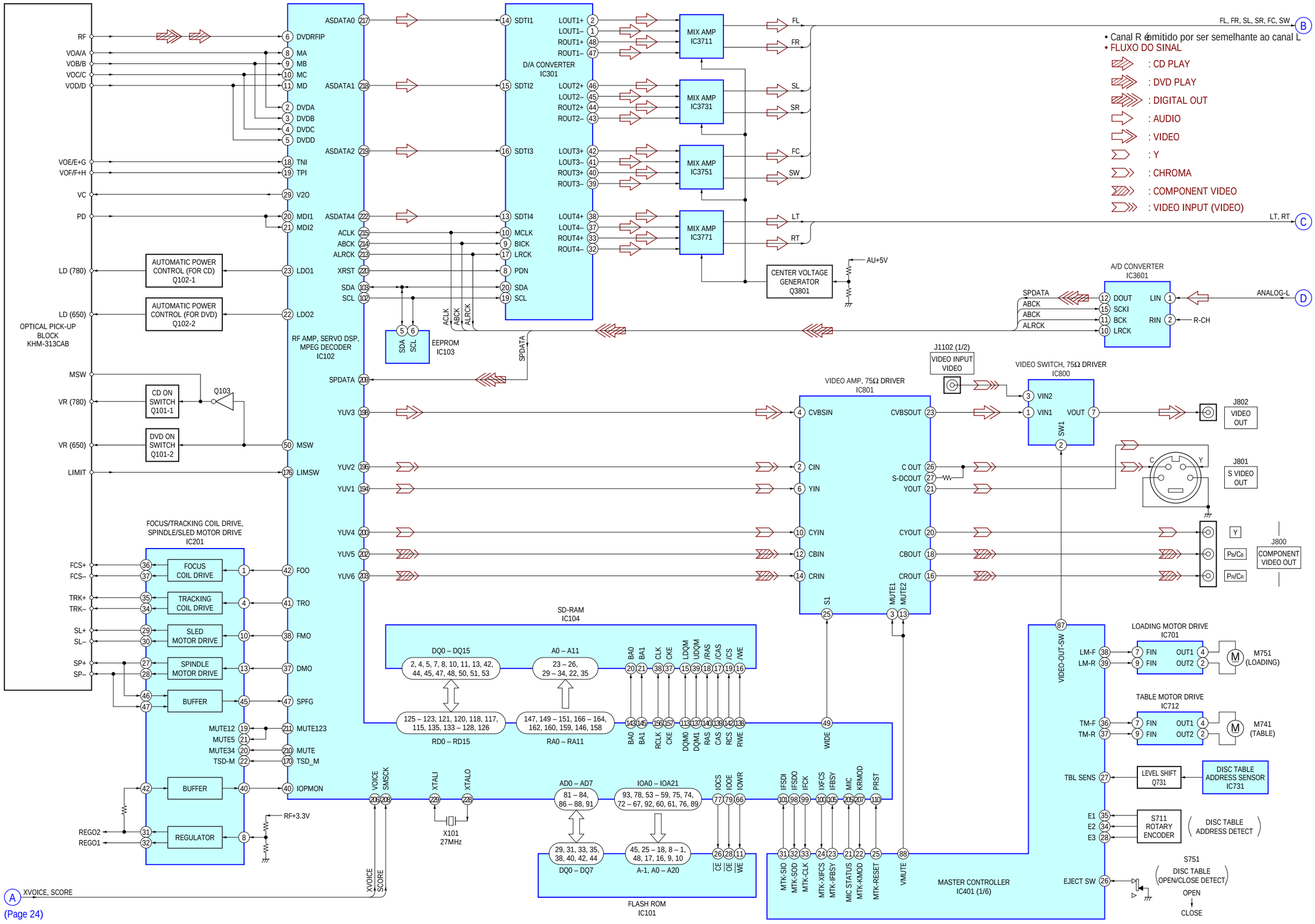
Local de conexão:

– Placa DMB15 (Lado A) –

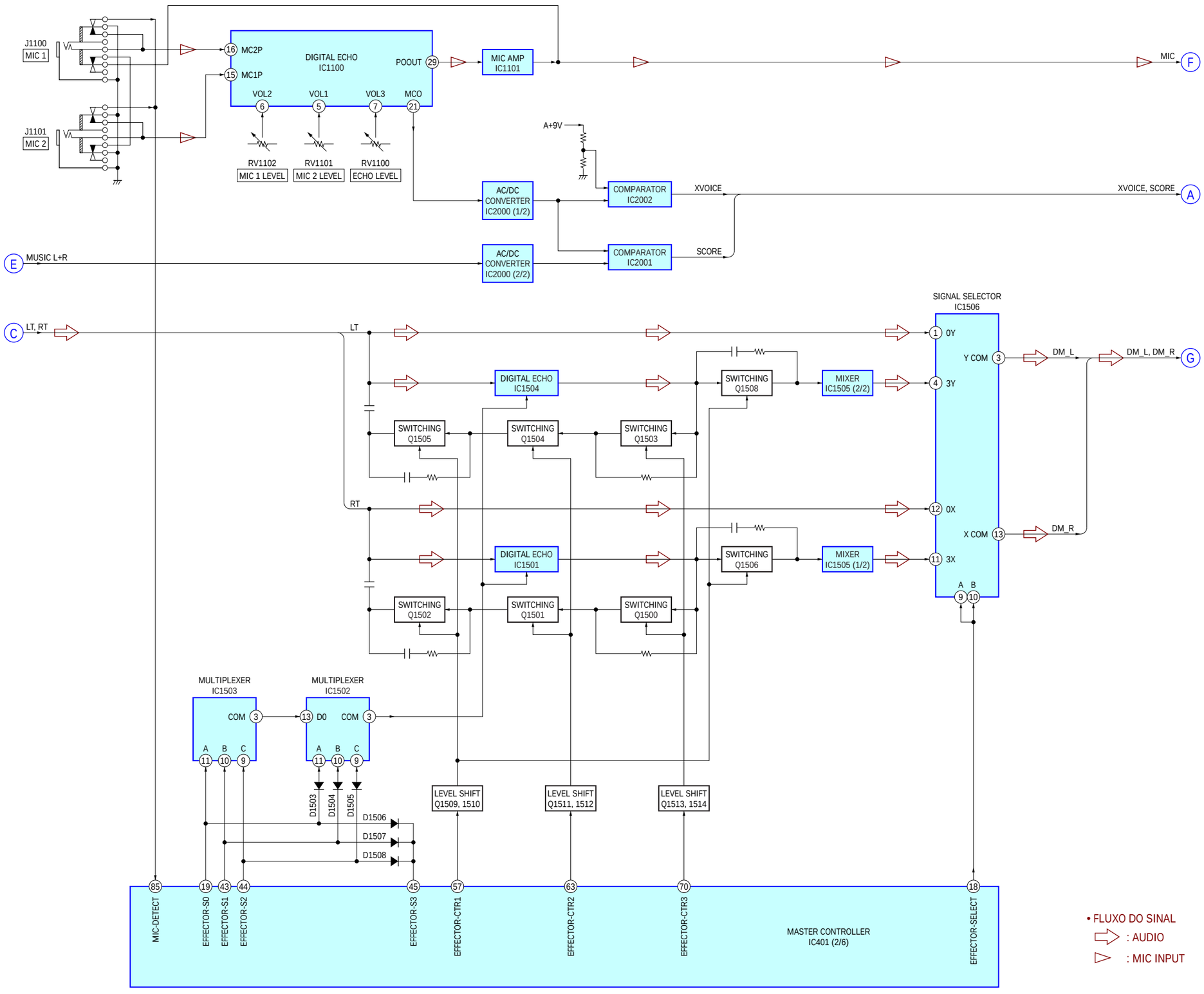


SEÇÃO 7
DIAGRAMAS

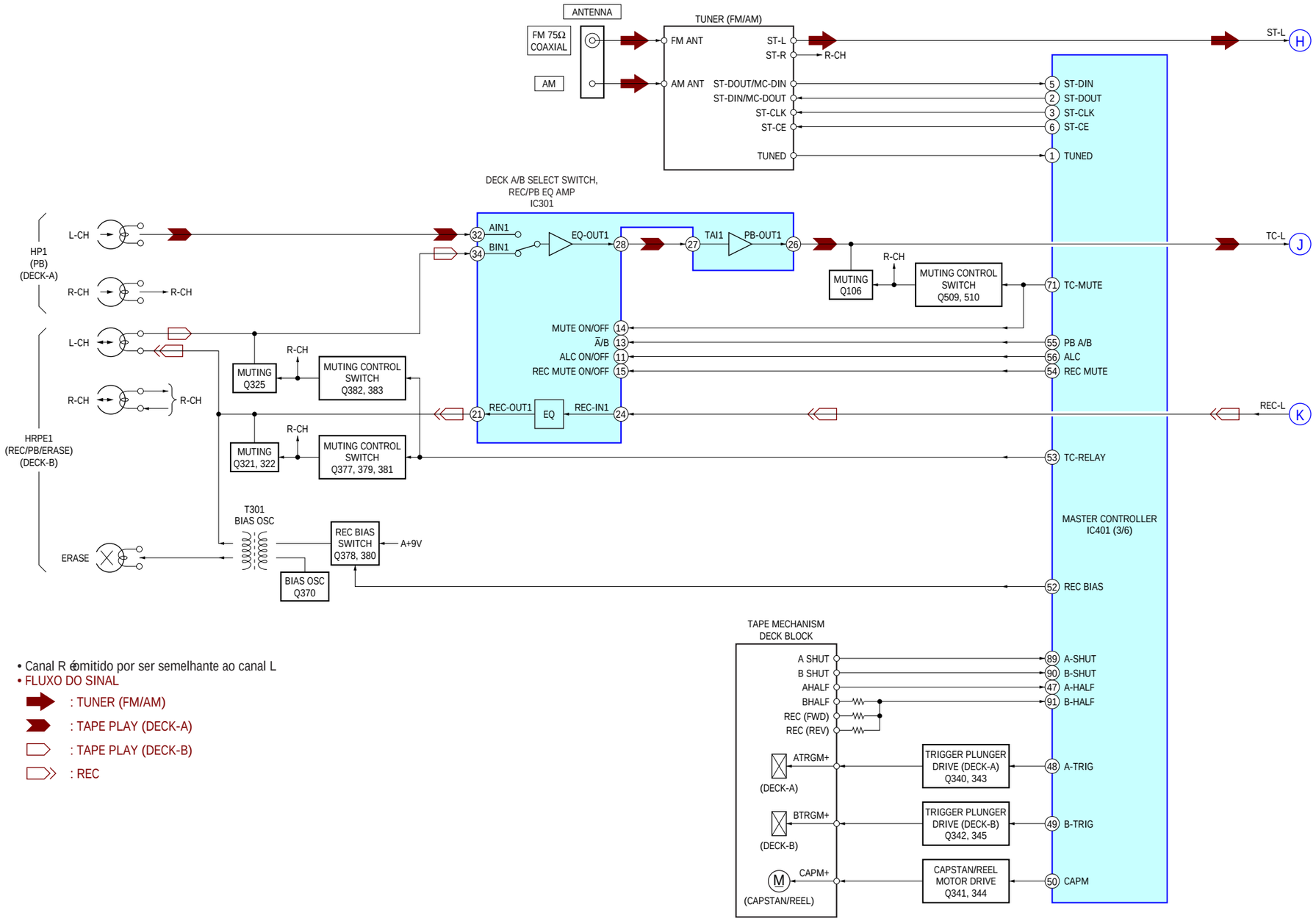
7-1. DIAGRAMA EM BLOCOS - SEÇÃO RF SERVO/ VIDEO



7-2. DIAGRAMA EM BLOCOS – SEÇÃO MIC/EFFECTOR



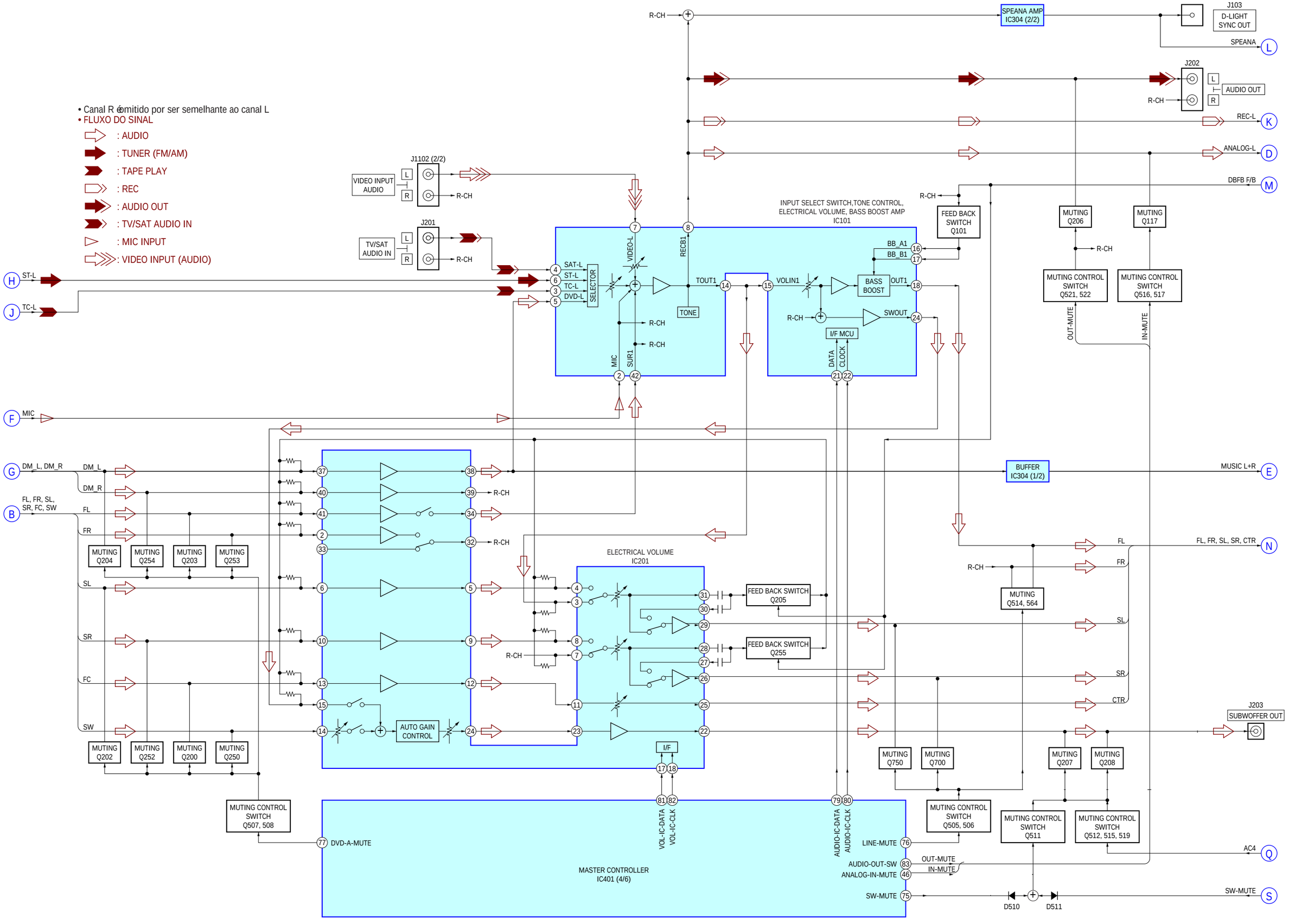
7-3. DIAGRAMA EM BLOCOS – SEÇÃO TUNER/TAPE



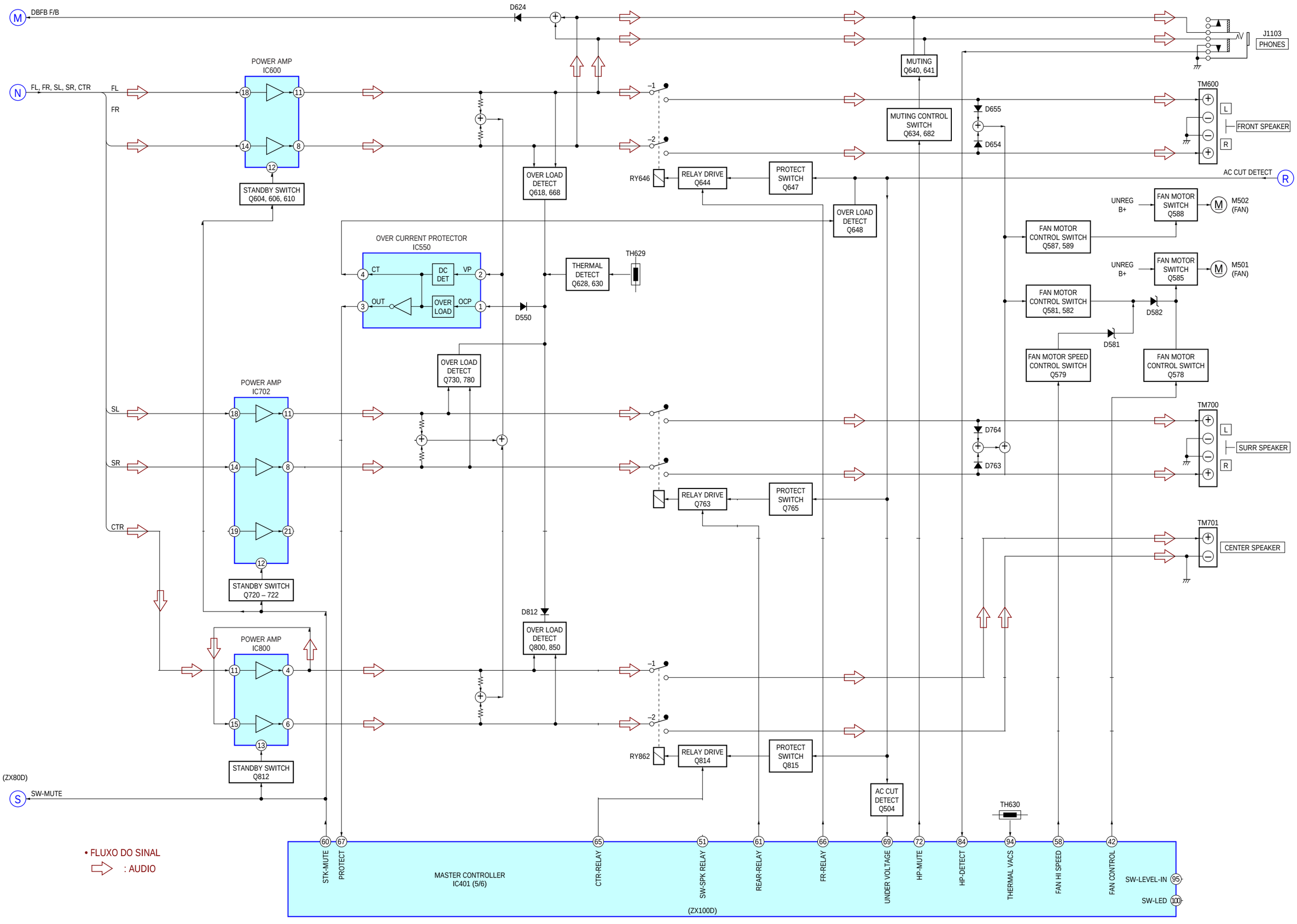
- Canal R é omitido por ser semelhante ao canal L
- FLUXO DO SINAL
  - : TUNER (FM/AM)
  - : TAPE PLAY (DECK-A)
  - : TAPE PLAY (DECK-B)
  - : REC

7-4. DIAGRAMA EM BLOCOS – SEÇÃO AUDIO

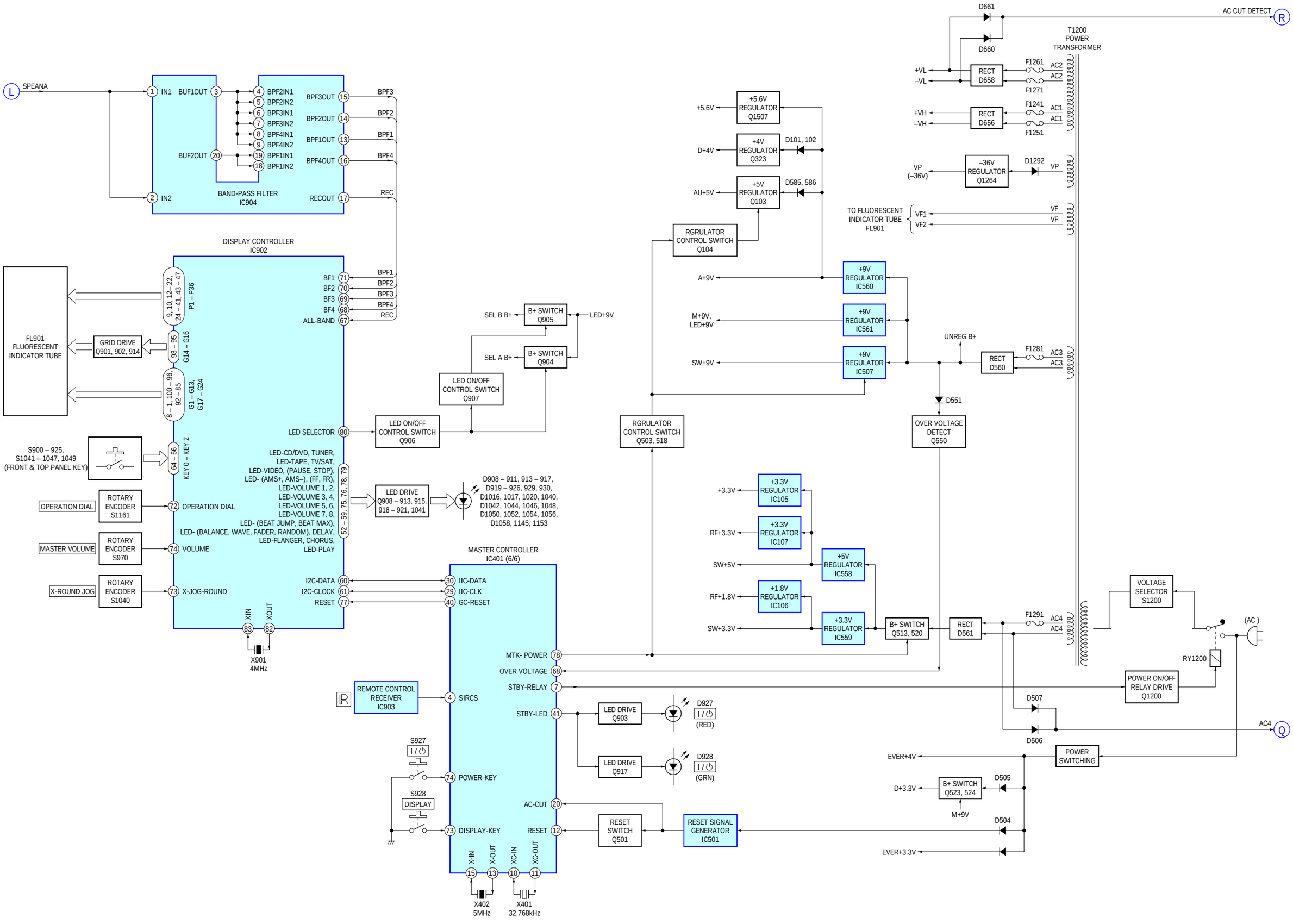
- Canal R é omitido por ser semelhante ao canal L
- FLUXO DO SINAL
  - : AUDIO
  - : TUNER (FM/AM)
  - : TAPE PLAY
  - : REC
  - : AUDIO OUT
  - : TV/SAT AUDIO IN
  - : MIC INPUT
  - : VIDEO INPUT (AUDIO)



7-5. DIAGRAMA EM BLOCOS - SEÇÃO AMP



7-6. DIAGRAMA EM BLOCOS - SEÇÃO PAINEL/POWER SUPPLY



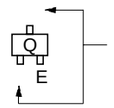
• NOTA PARA PLACAS DE CIRCUITO IMPRESSO E DIAGRAMAS ESQUEMÁTICOS

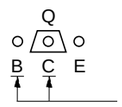
Nota nos diagramas esquemáticos

- ○——— : peças vista pelo lado do componente
- ——— : peças vista pelo lado cobreado
- △ : componente interno
- ▬ : Trilha visivel no lado observado da placa

Cuidado:	
Lado Compte: (Lado A)	Apenas as peças do lado componente é indicado
Lado trilhas: (Lado B)	Apenas as peças do lado cobreado é indicado

- A placa DMB15 é uma placa multi-layer
  Porem as trilhas das camadas intermediarias não são mostradas nos diagramas.
- Indicação do transistor





Este terminal é omitido

Nota sobre Placas de Circuito Impresso:

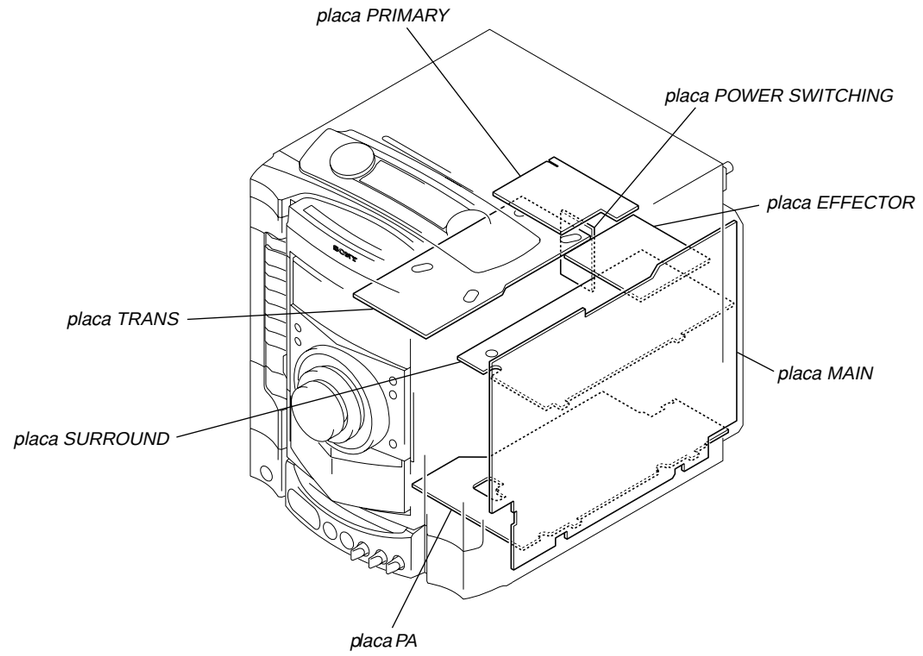
- Todos os capacitores em µF a menos que especificados.. (p: pF) 50 WV ou menores não são indicados, exceto para os eletrolíticos e os de tântalo.
- Todos os resistores estão emΩ e ¹/₄ a menos que especificados

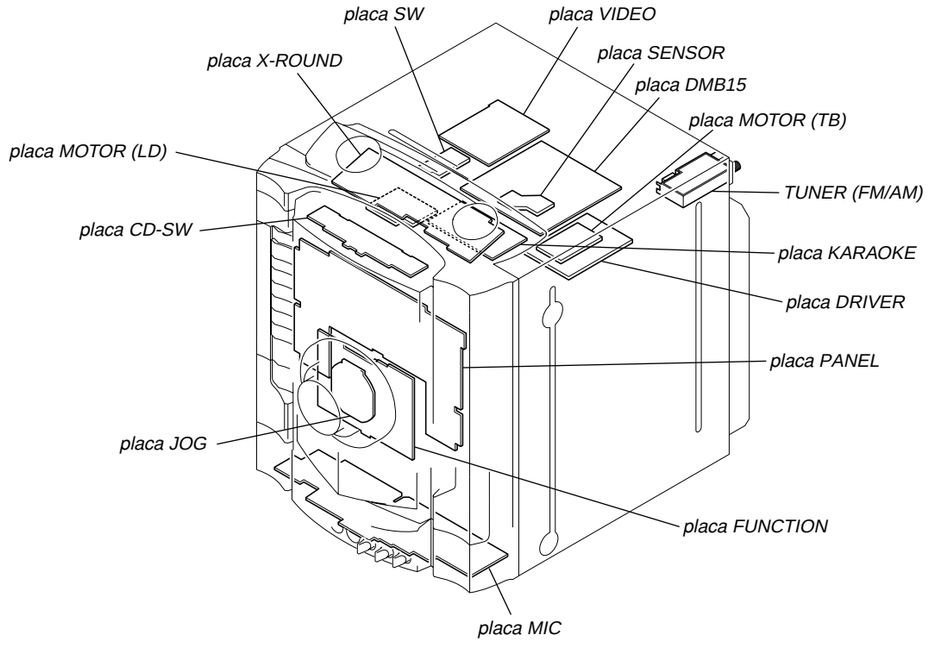
- △ : componente interno
- : resistor nao inflamavel.
- : resistor fusivel.
- : designação de painel.

Nota: Os componentes identificados por ⚠ ou impresso com a marca ⚠ são criticos para a segurança Substitua apenas por peças especificadas.

- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- As tensões e formas de onda estão em DC, com relação ao terra, em condição de ausência de sinal.
  – Placa DMB15/VIDEO –
  sem indicação :DVD PLAY
  ＊ : Impossivel de medir
  – Outras Placas –
  sem indicação : TUNER (FM/AM)
  ( ) : DVD PLAY
  ⟨⟨ ⟩⟩ : TAPE PLAY (DECK-A)
  { } : REC
  ＊ : Impossivel de medir
- As tensões são obtidas com um VOM (impedância de entrada 10 M.). Variações de voltagem são verificadas dentro de uma faixa de tolerancias.
- Formas de onda são obtidas com um osciloscópio. Variações de voltagem são verificadas dentro de uma faixa de tolerancias.
- Numeros dentro dos circulos representam a forma de onda
- Fluxo do sinal.
  - : CD PLAY
  - : DVD PLAY
  - : DIGITAL OUT
  - : AUDIO
  - : VIDEO
  - : Y
  - : CROMA
  - : COMPONENT VIDEO
  - : TUNER (FM/AM)
  - : TAPE PLAY (DECK-A)
  - : TAPE PLAY (DECK-B)
  - : REC
  - : TV/SAT AUDIO IN
  - : AUDIO OUT
  - : MIC INPUT
  - : VIDEO INPUT (AUDIO)
  - : VIDEO INPUT (VIDEO)

• Localização das Placas de Circuito



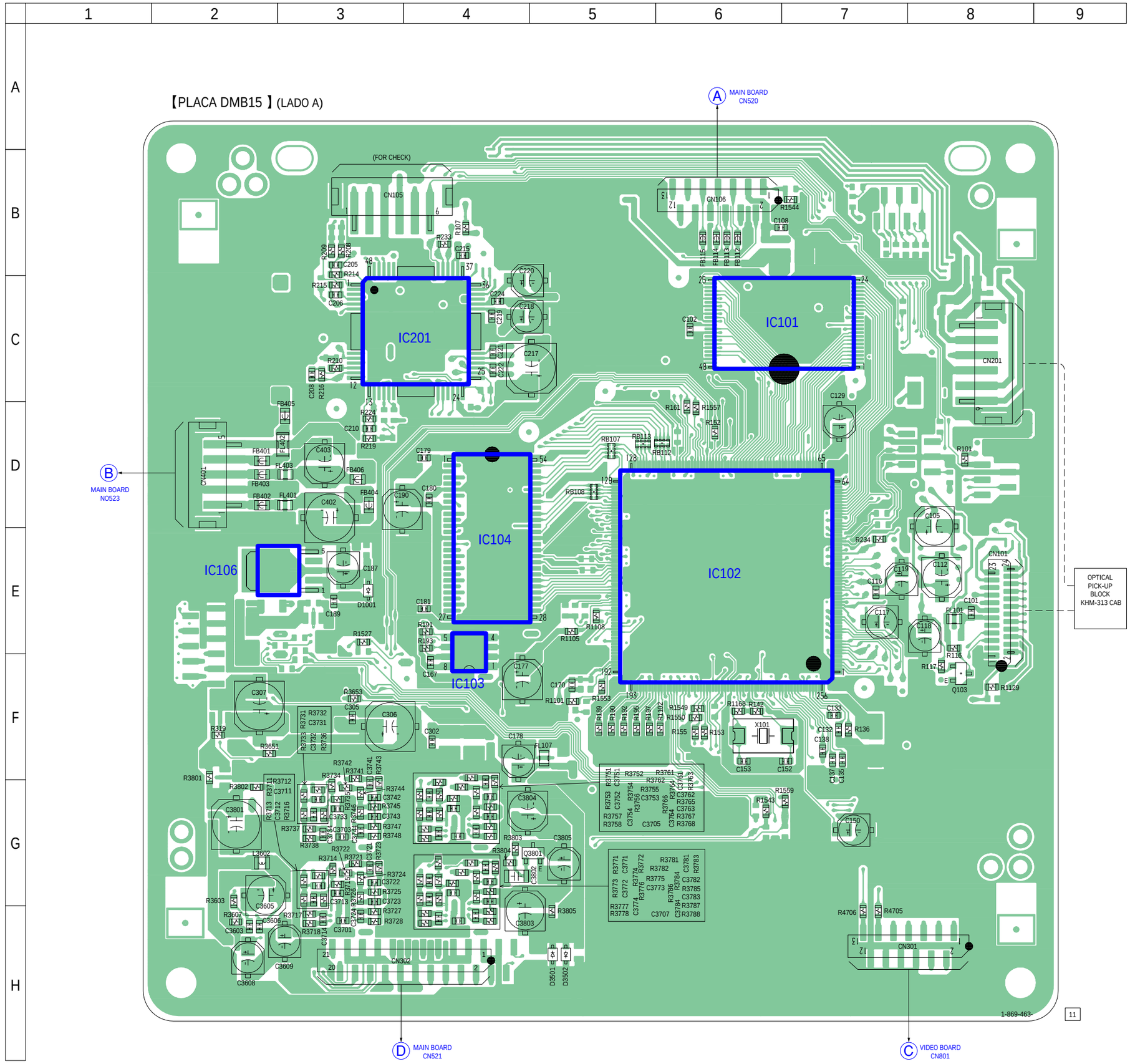


7-7. PLACA DE CIRCUITO IMPRESSO – PLACA DMB15 (Lado A)

: Utiliza liga de solda sem chumbo

- **Localizaçã do Semicondutor**

Ref. No.	Location
D1001	E-3
D3501	H-5
D3502	H-5
IC101	C-7
IC102	E-6
IC103	E-4
IC104	E-4
IC106	E-3
IC201	C-4
Q103	F-8
Q3801	G-5

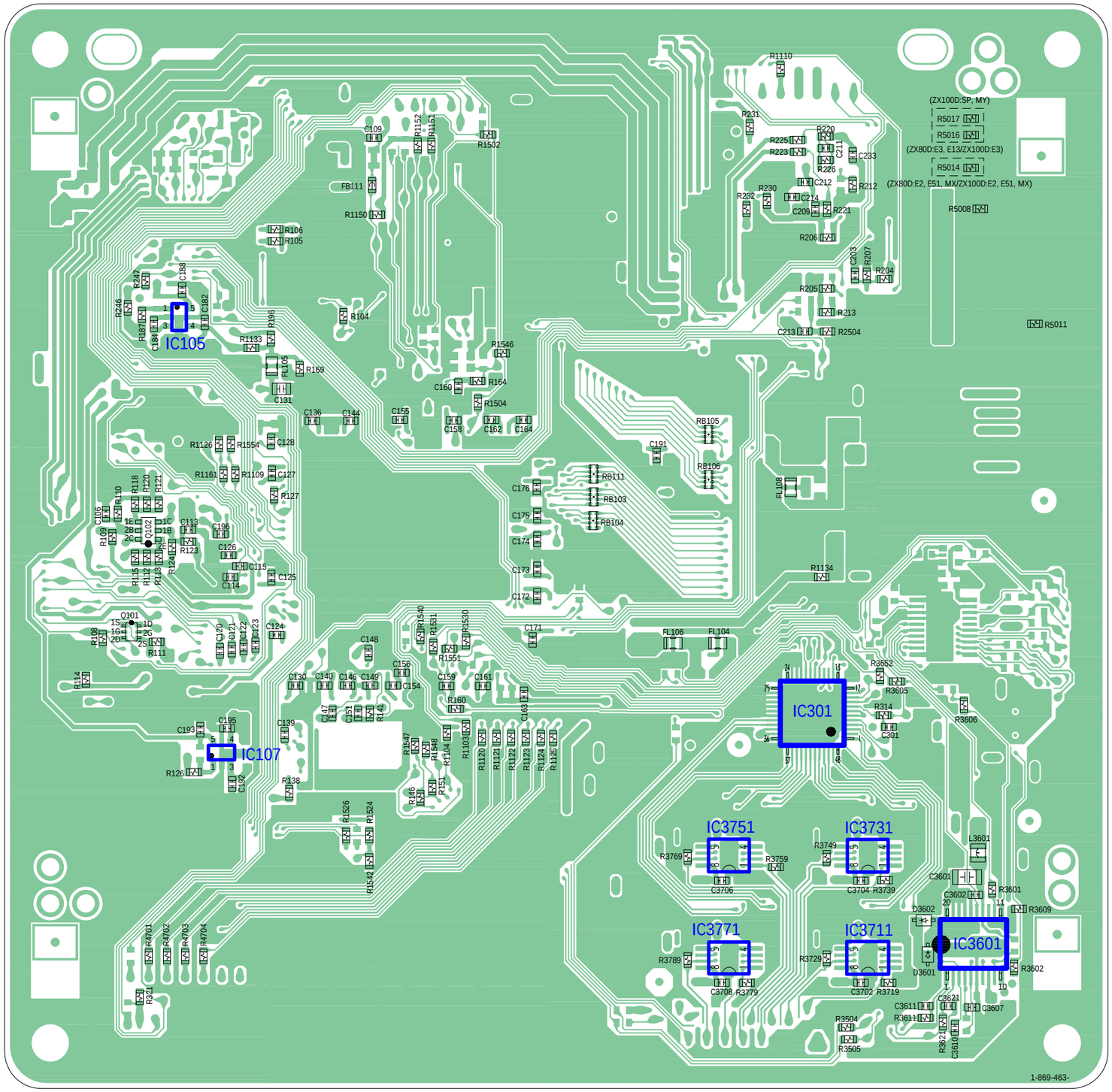


Não é possivel utilizar uma EEPROM (IC103) nova na placa DMB15 Todavia, se houver a troca da placa DMB15 utilize a EEPROM antiga na placa nova

7-8. PLACA DE CIRCUITO IMPRESSO – PLACA DMB15 (Lado B)

: Utiliza liga de solda sem chumbo

【PLACA DMB15 】(LADO B)



- **Localização do Semicondutor**

Ref. No.	Location
D3601	H-8
D3602	G-7
IC105	C-3
IC107	F-3
IC301	F-7
IC3601	G-8
IC3711	H-7
IC3731	G-7
IC3751	G-6
IC3771	H-6
Q101	E-2
Q102	E-2

7-9. DIAGRAMA ESQUEMATICO – PLACA DMB15 (1/4)

【DMB15 BOARD】(1/4)

OPTICAL PICK-UP BLOCK
⚠
(KHM-313CAB)
(1/2)

IC107 IC B/D
+3.3V REGULATOR
IC107
TK11133CSCL-G

IC104
SD-RAM
IC104
A2V64S40CTP-G75

IC103
EEPROM
IC103
BR24L64F-WE2

IC101
FLASH ROM
IC101
MX29LV320CBTC70-CBA3-0604CE (ZX80D:E3,E13/ZX100D:E3)
MX29LV320CBTC70-CBA3-0604GA (ZX100D:SP,MY)
MX29LV320CBTC70-CBA3-0604UC (ZX80D:E2,E51/ZX100D:E2,E51)
S29AL032D70TF-CBA3-0601UC (ZX80D:MX/ZX100D:MX)

IC105 IC B/D
+3.3V REGULATOR
IC105
TK11133CSCL-G

IC106
+1.8V REGULATOR
IC106
PQ018EN01ZPH

D1001
RB501V-40TE-17

CN101 24P
1 GND (LD)
2 LD (650)
3 NC
4 NC
5 PD
6 LD (780)
7 VR (650)
8 VR (780)
9 NC
10 VOE/E+G
11 VCC
12 VC
13 GND (PDIC)
14 VOF/F+H
15 VOB/B
16 VOA/A
17 RF
18 (LO:DVD,HI:CD)MSW
19 VOD/D
20 VOC/C
21 TRK-
22 TRK+
23 FCS+
24 FCS-

CN106 13P
1 OCSW1
2 SYSRST
3 3.3VMNT
4 XIFCS
5 IFBSY
6 SIO
7 SOO
8 M-REQ
9 SCO
10 DGND
11 MIC
12 VOICE
13 KRMOD

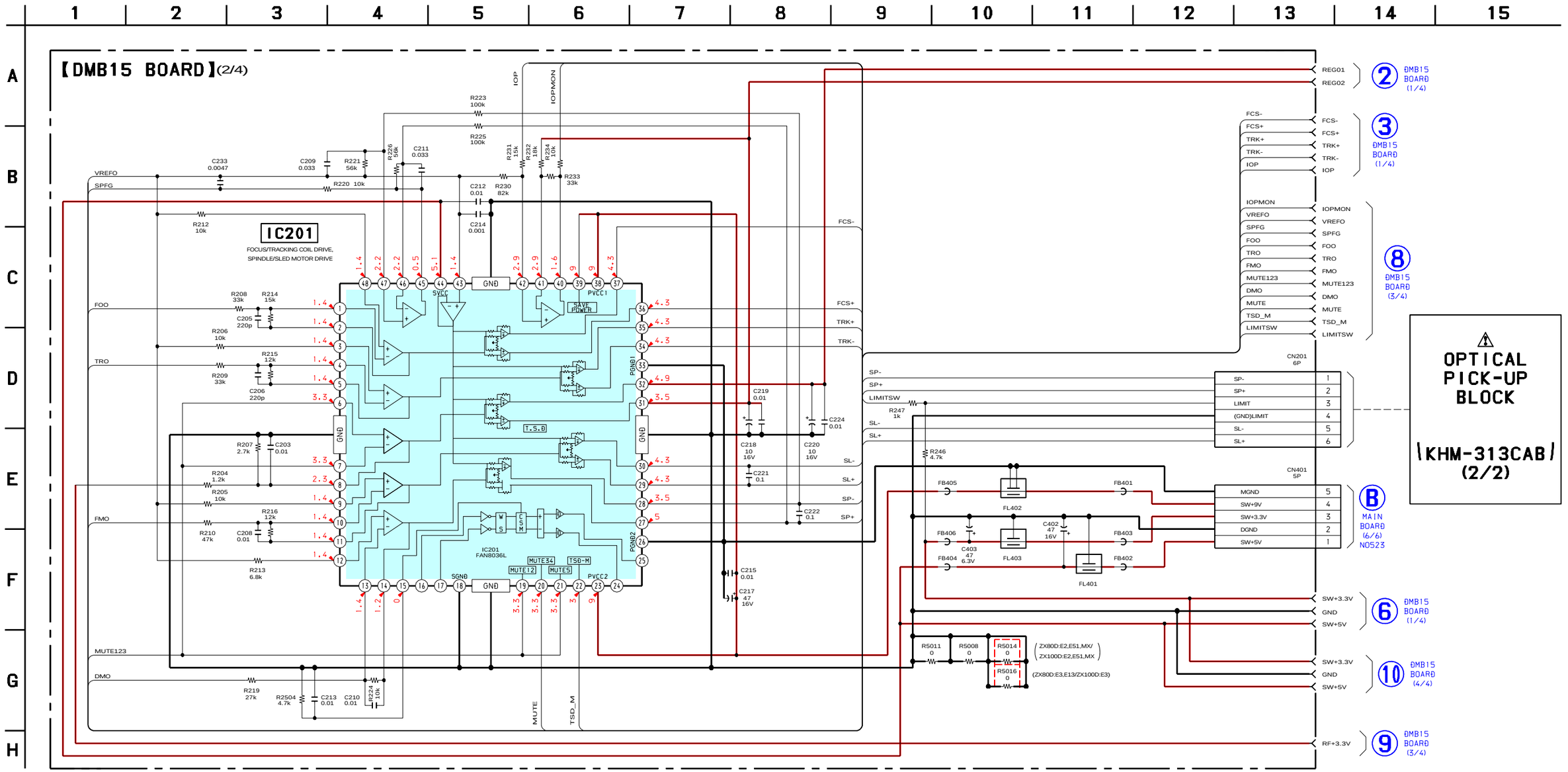
CN105 6P
6 RFMON
5 V2REFO
4 +3.3V
3 GND
2 RXD
1 TXD
(FOR CHECK)

Q101-1 CD ON SWITCH
Q101-2 DVD ON SWITCH
Q101 UM6K1N-TN
Q102 QST8TR
Q102-1 AUTOMATIC POWER CONTROL(FOR CD)
Q102-2 AUTOMATIC POWER CONTROL(FOR DVD)
Q103 DTC124EKA-T146 INVERTER

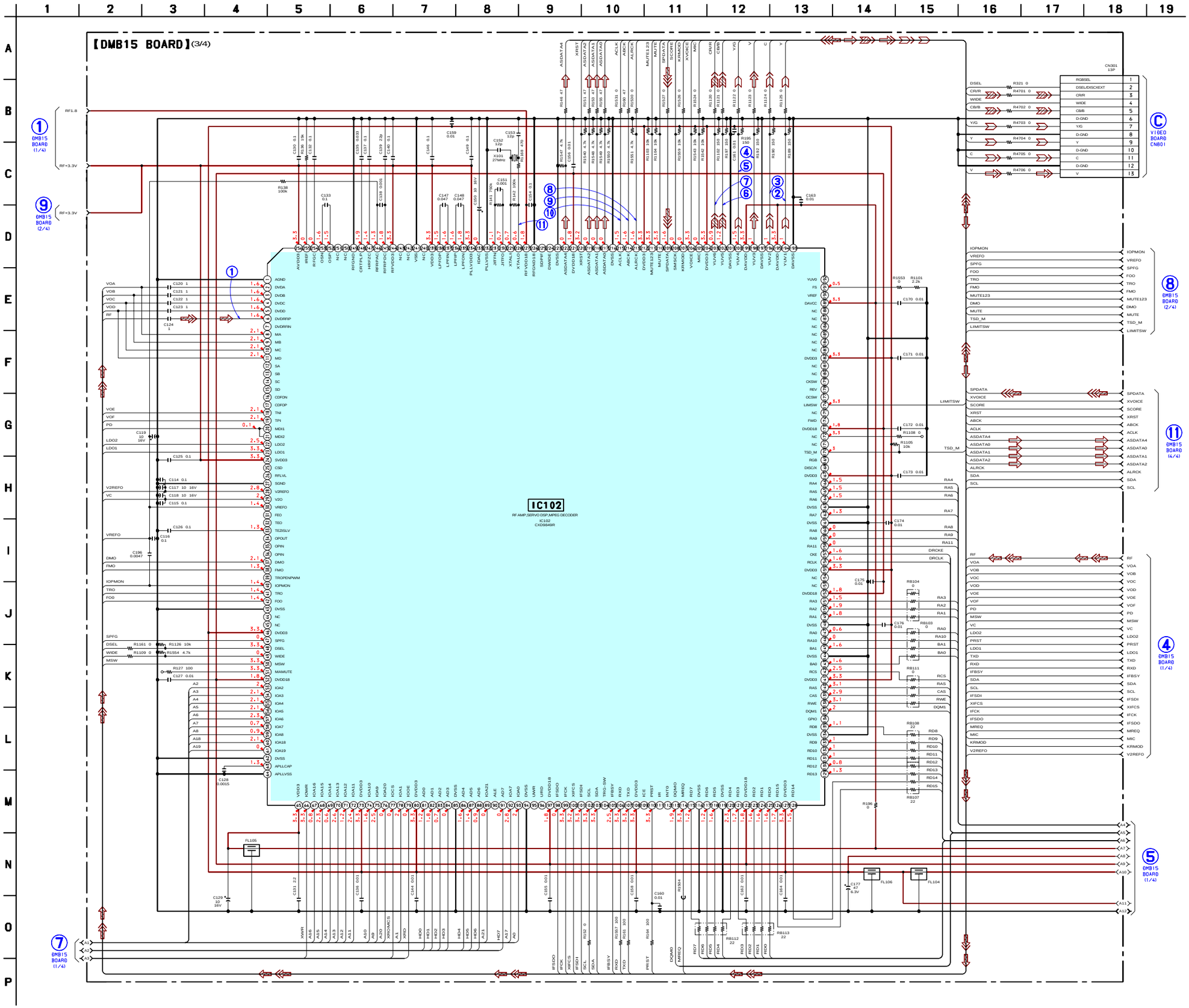
DMB15 BOARD (3/4) ①
DMB15 BOARD (2/4) ②
DMB15 BOARD (2/4) ③
DMB15 BOARD (3/4) ④
DMB15 BOARD (3/4) ⑤
DMB15 BOARD (2/4) ⑥
DMB15 BOARD (3/4) ⑦
MAIN BOARD (1/6) CN520 Ⓐ

Não é possivel utilizar uma EEPROM (IC103)nova na placa DMB15
Todavia, se houve a troca da placa DMB15 utilize a EEPROM antiga na placa nova

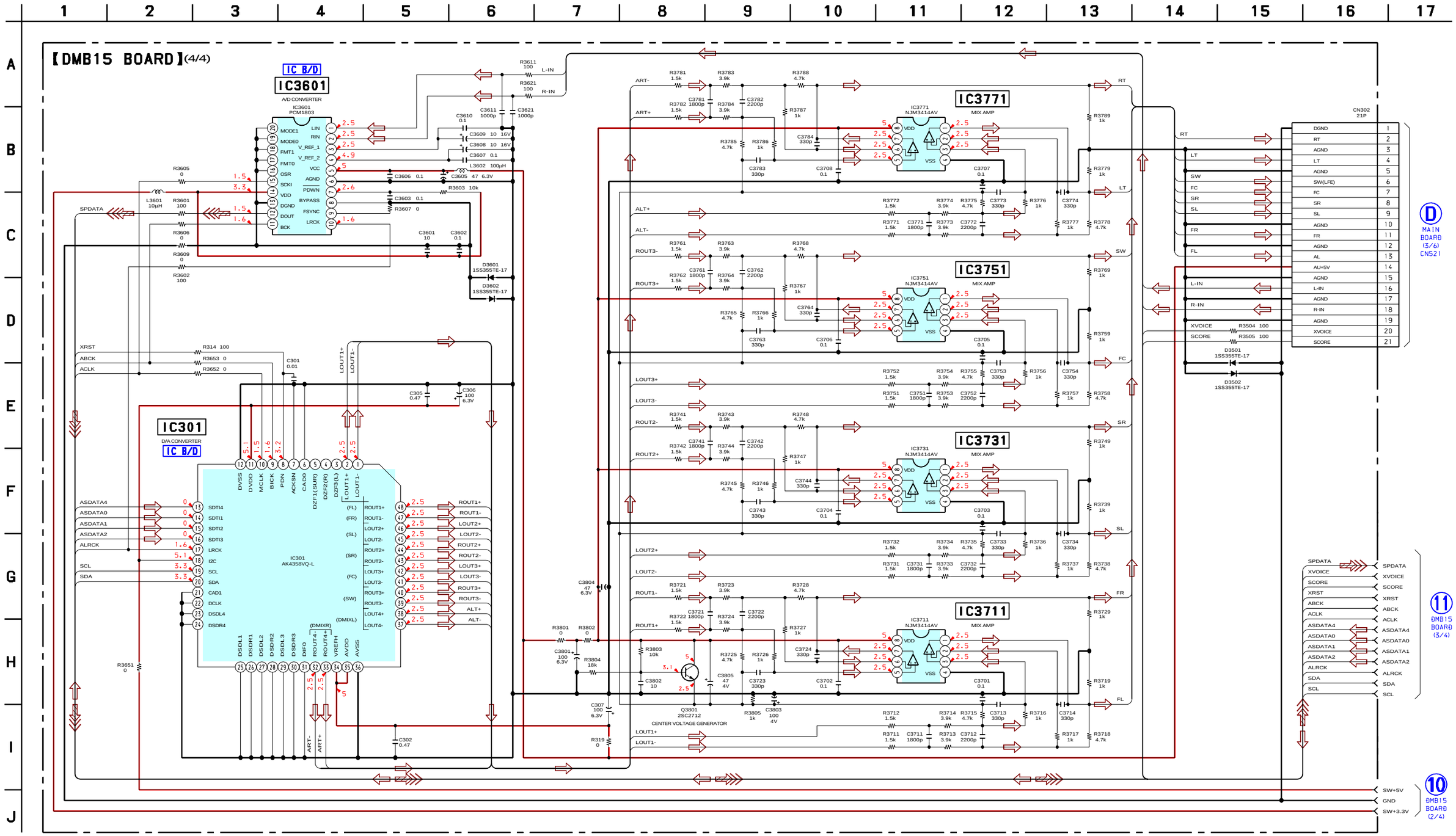
7-10. DIAGRAMA ESQUEMATICO – PLACA DMB15(2/4) –



7-11. DIAGRAMA ESQUEMATICO – PLACA DMB15 (3/4)



7-12. DIAGRAMA ESQUEMATICO – PLACA DMB15 (4/4)

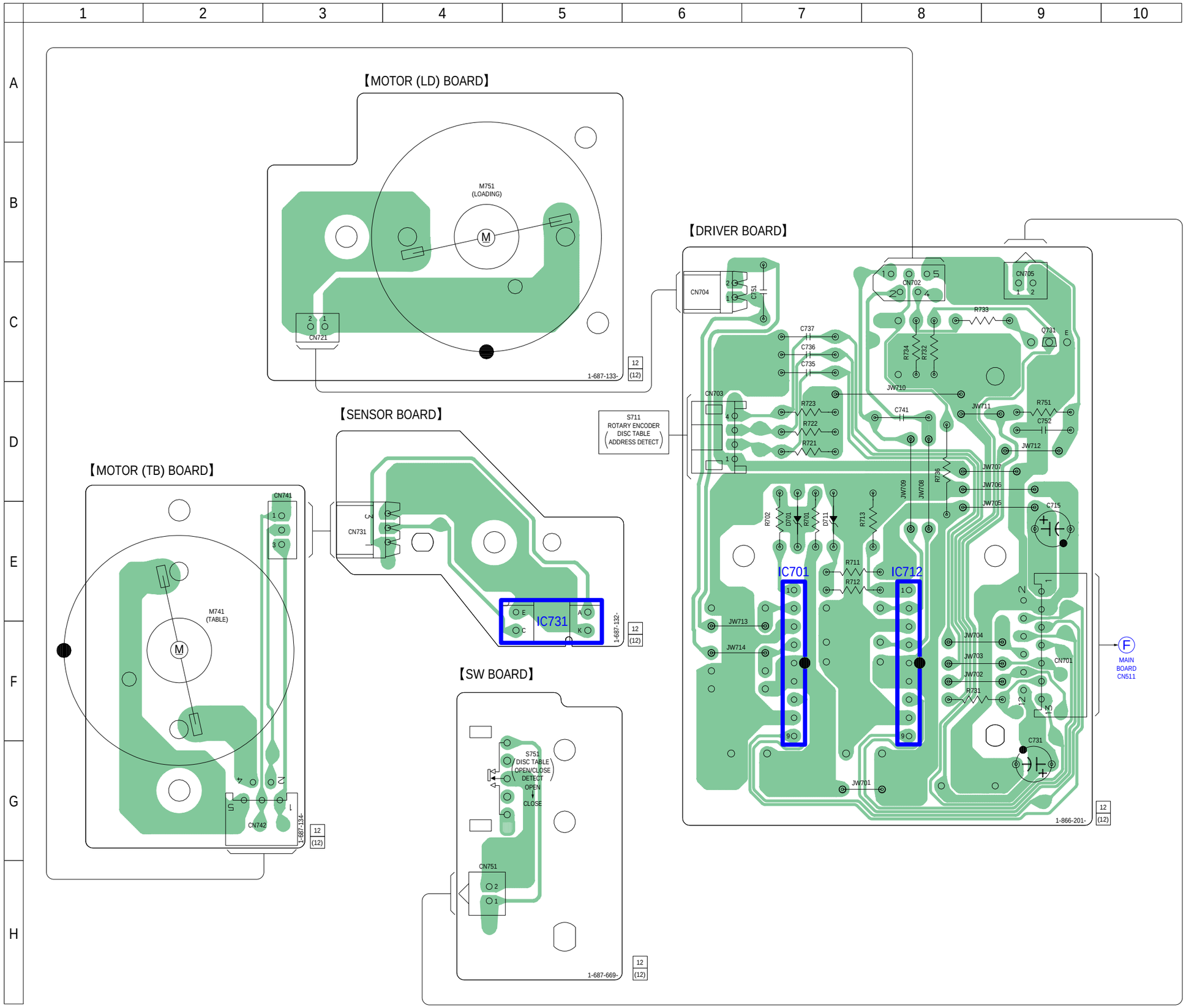


- **Localização do Semicondutor**

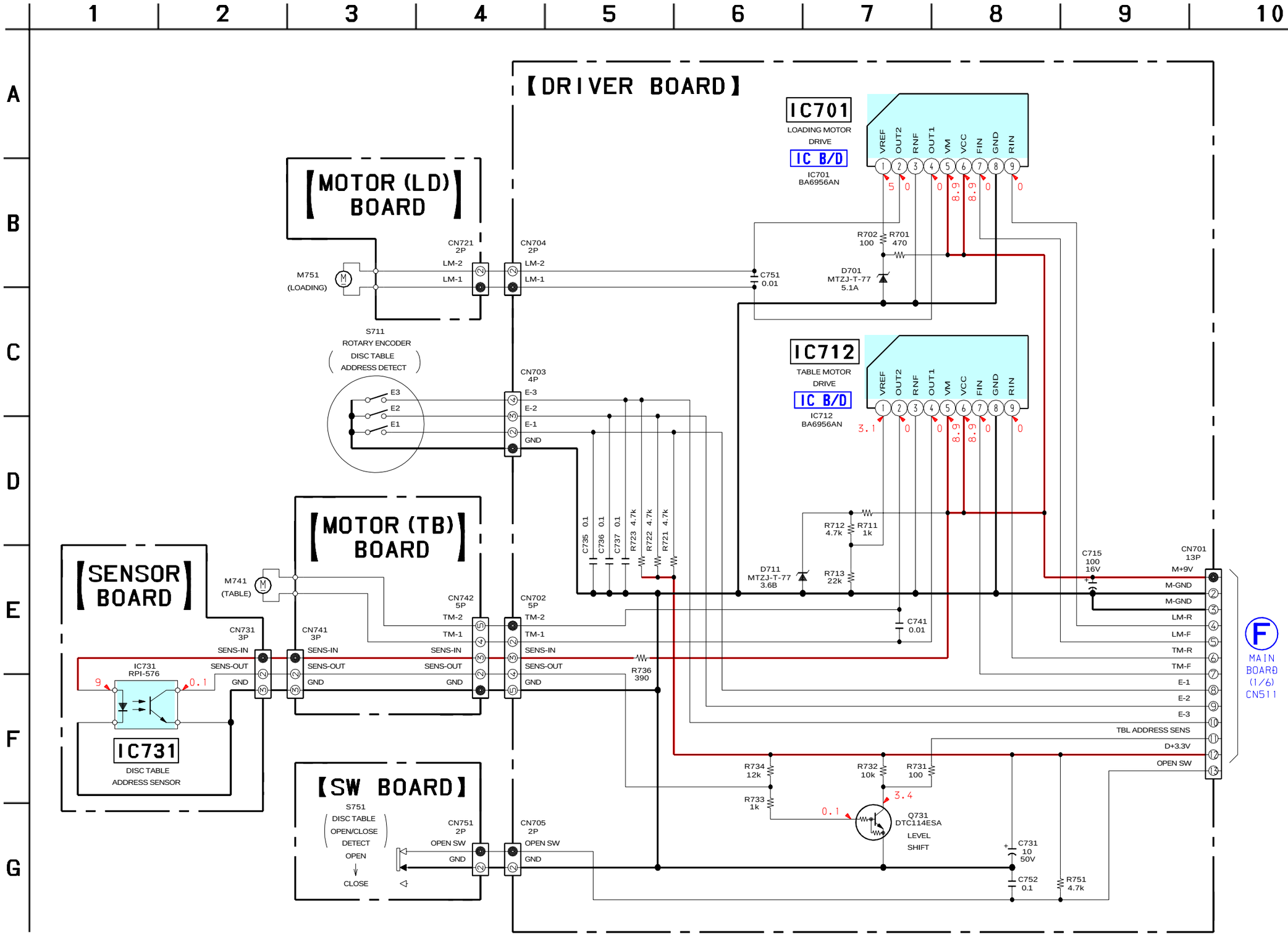
Ref. No.	Location
D701	E-7
D711	E-7
IC701	F-7
IC712	F-8
IC731	F-5
Q731	C-9

7-13. PLACA DE CIRCUITO IMPRESSO – SEÇÃO CHANGER

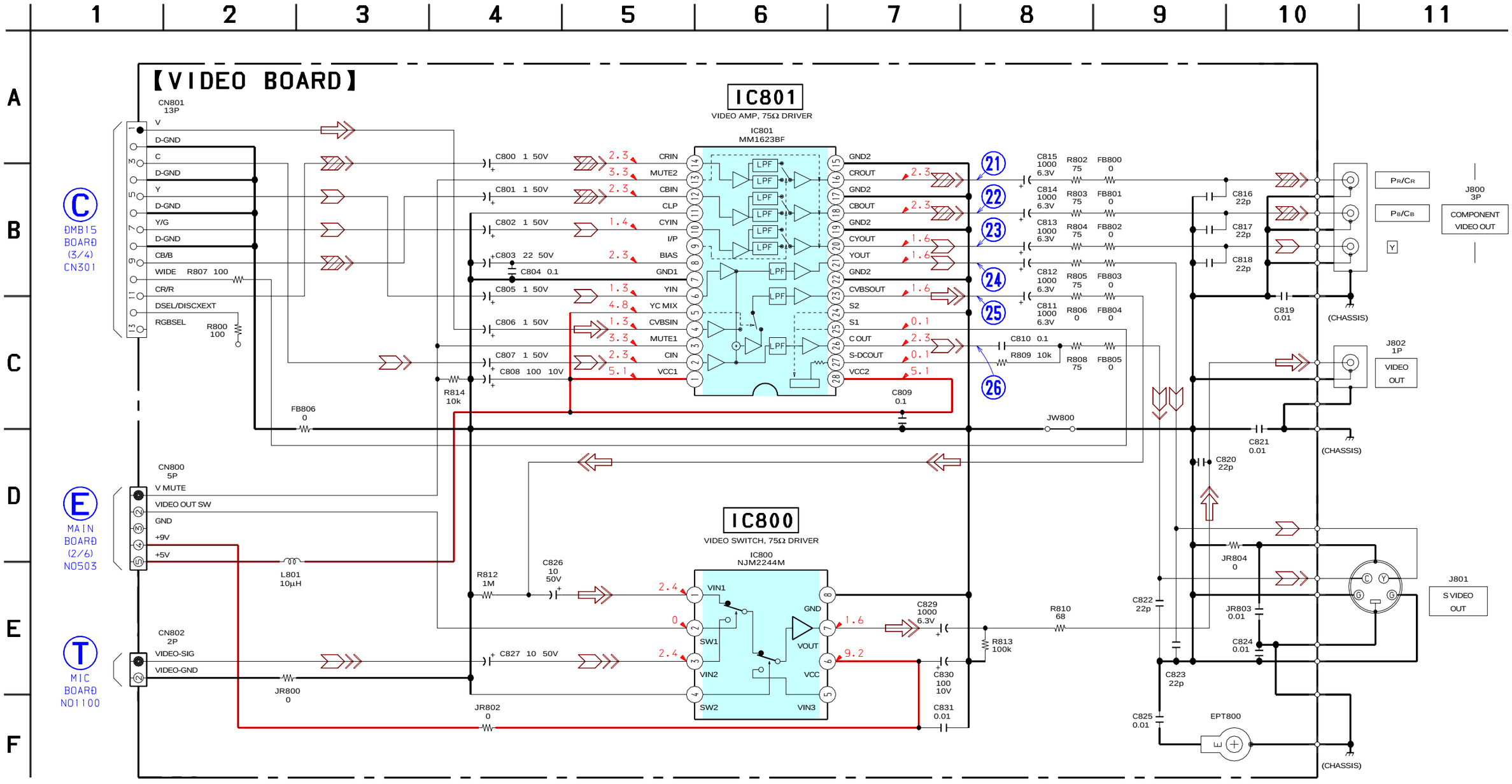
: Utiliza liga de solda sem chumbo



7-14. DIAGRAMA ESQUEMATICO – SEÇÃO CHANGER

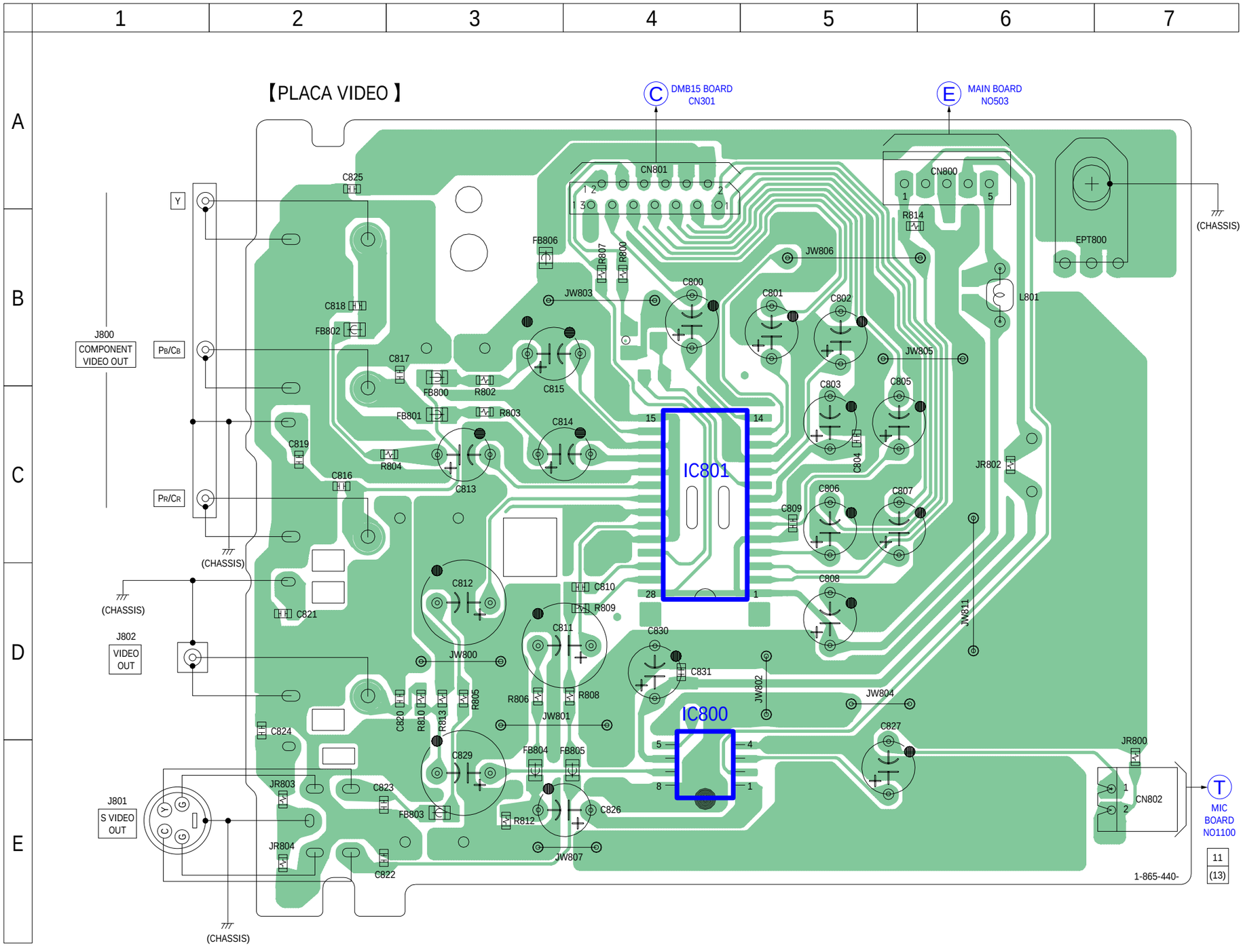


7-16. DIAGRAMA ESQUEMATICO – PLACA VIDEO



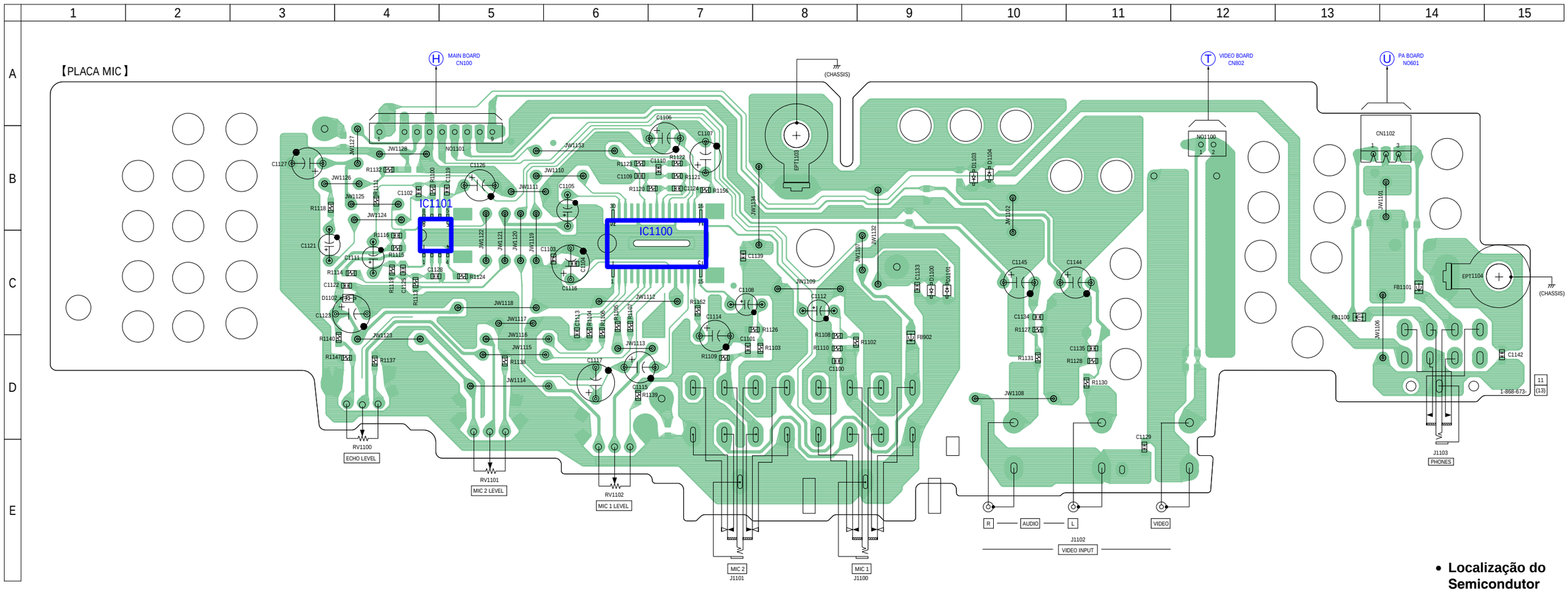
7-15. PLACA DE CIRCUITO IMPRESSO – PLACA VIDEO

: Utiliza liga de solda sem chumbo



7-17. PLACA DE CIRCUITO IMPRESSO – PLACA MIC

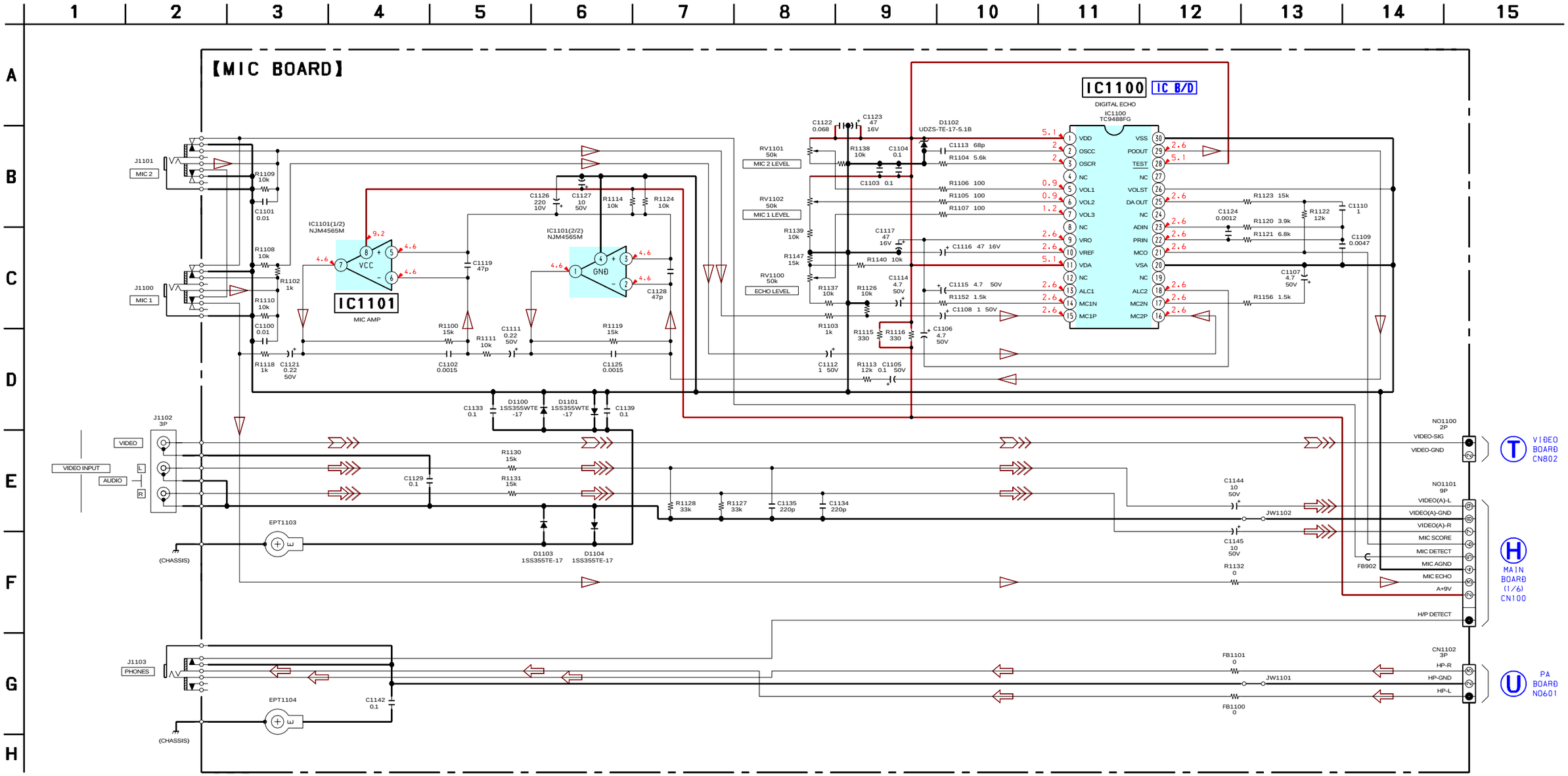
: Utiliza liga de solda sem chumbo.



- **Localização do Semicondutor**

Ref. No.	Location
D1100	C-9
D1101	C-9
D1102	C-3
D1103	B-10
D1104	B-10
IC1100	C-7
IC1101	C-4

7-18. DIAGRAMA ESQUEMATICO – PLACA MIC



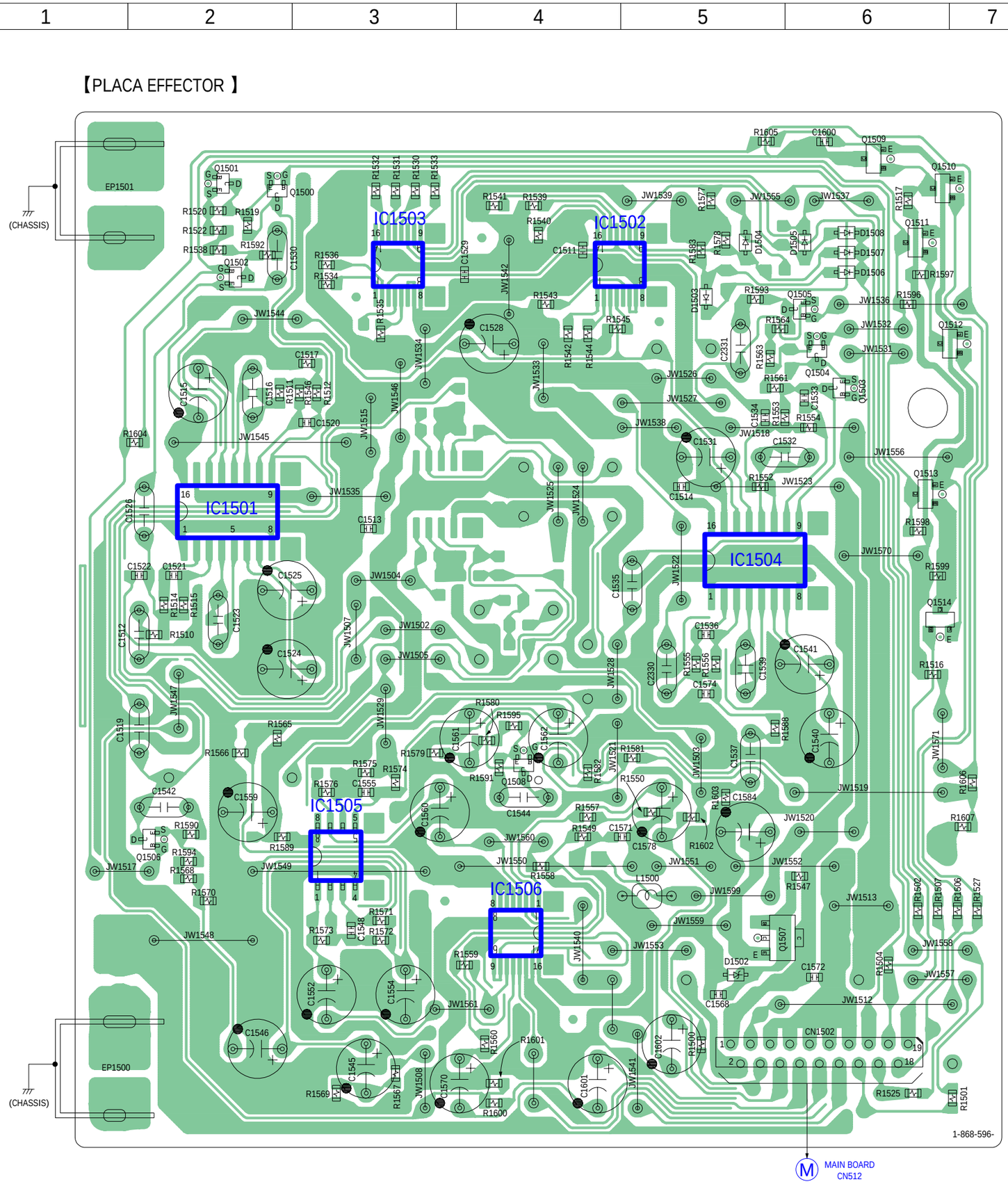
7-19. PLACA DE CIRCUITO IMPRESSO – PLACA EFFECTOR

: Utiliza liga de solda sem chumbo

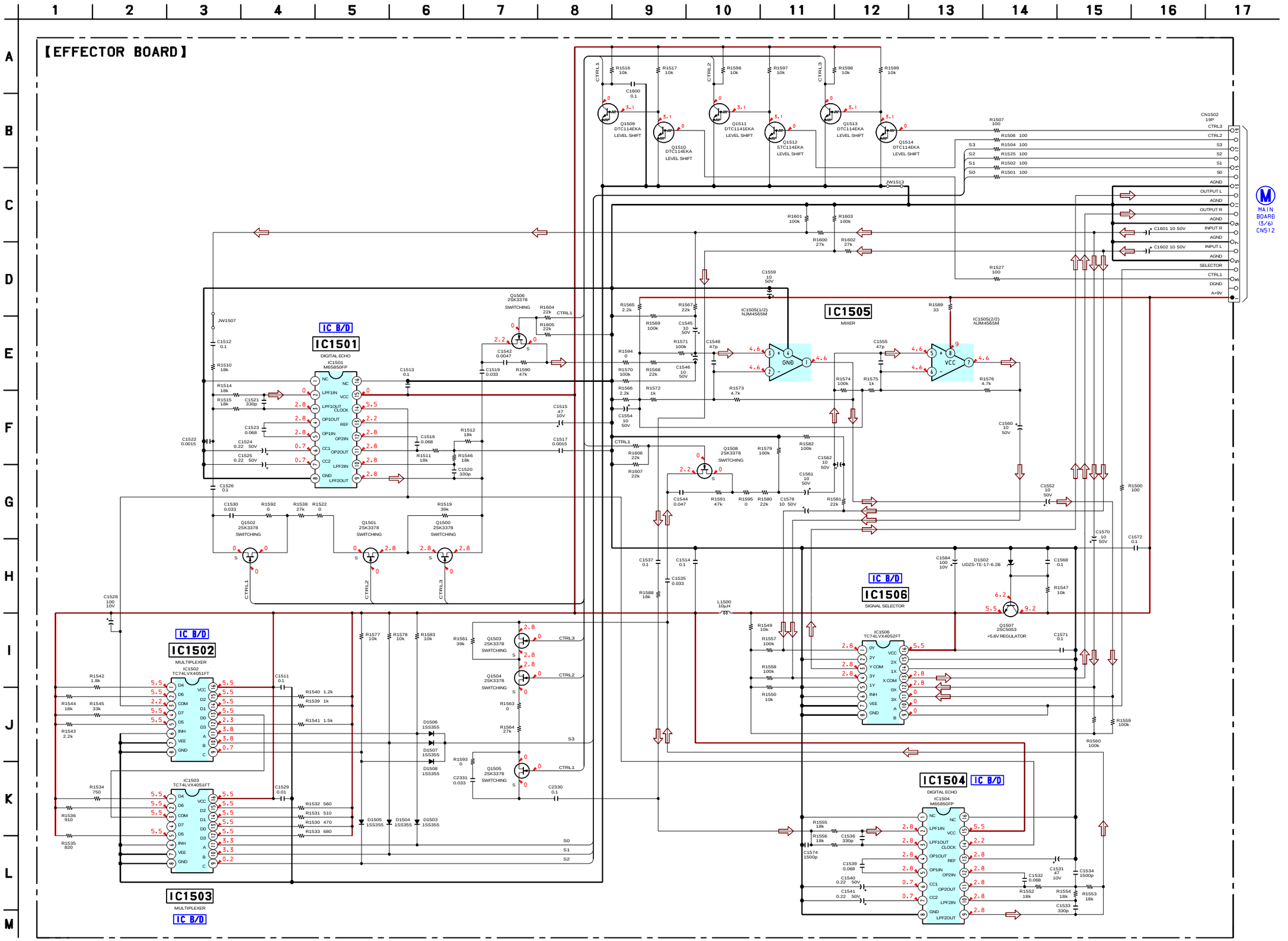
- **Localização do Semicondutor**

Ref. No.	Location
D1502	F-5
D1503	B-5
D1504	B-5
D1505	B-6
D1506	B-6
D1507	B-6
D1508	B-6
IC1501	C-2
IC1502	B-4
IC1503	B-3
IC1504	D-5
IC1505	F-3
IC1506	F-4
Q1500	A-2
Q1501	A-2
Q1502	B-2
Q1503	C-6
Q1504	B-6
Q1505	B-6
Q1506	E-2
Q1507	F-5
Q1508	E-4
Q1509	A-6
Q1510	A-6
Q1511	B-6
Q1512	B-7
Q1513	C-6
Q1514	D-6

【PLACA EFFECTOR 】

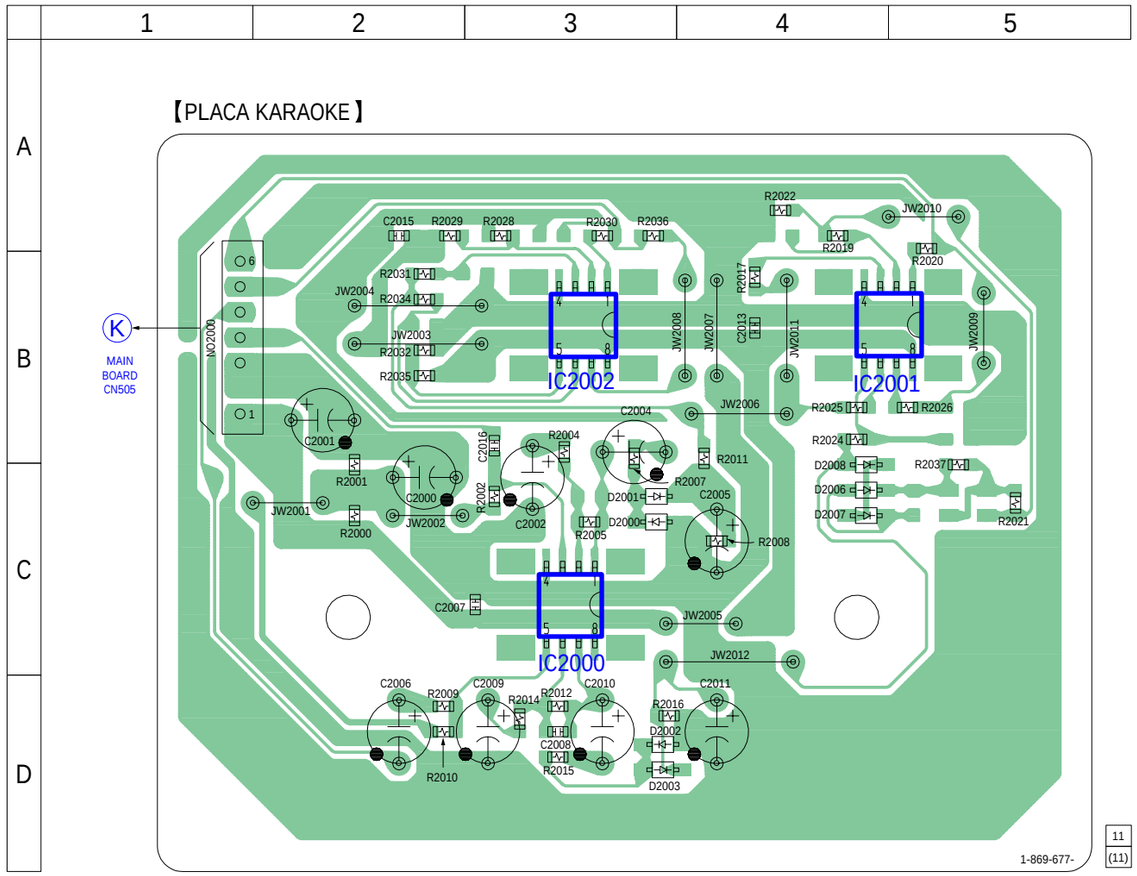


7-20. DIAGRAMA ESQUEMATICO – PLACA EFFECTOR



7-21. PLACA DE CIRCUITO IMPRESSO – PLACA KARAOKE

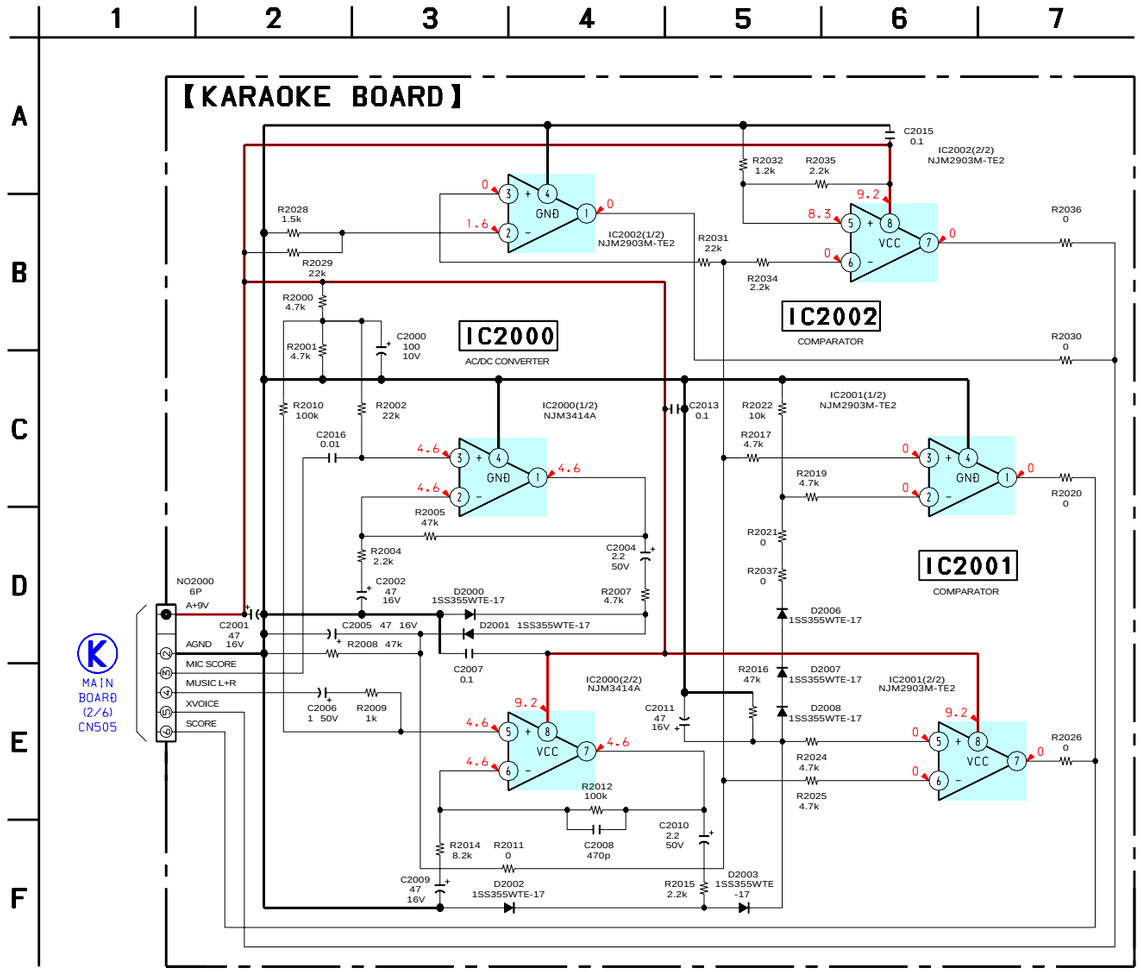
: Utiliza liga de solda sem chumbo



- **Localização do Semicondutor**

Ref. No.	Location
D2000	C-3
D2001	C-3
D2002	D-3
D2003	D-3
D2006	C-4
D2007	C-4
D2008	C-4
IC2000	C-3
IC2001	B-4
IC2002	B-3

7-22. DIAGRAMA ESQUEMATICO – PLACA KARAOKE

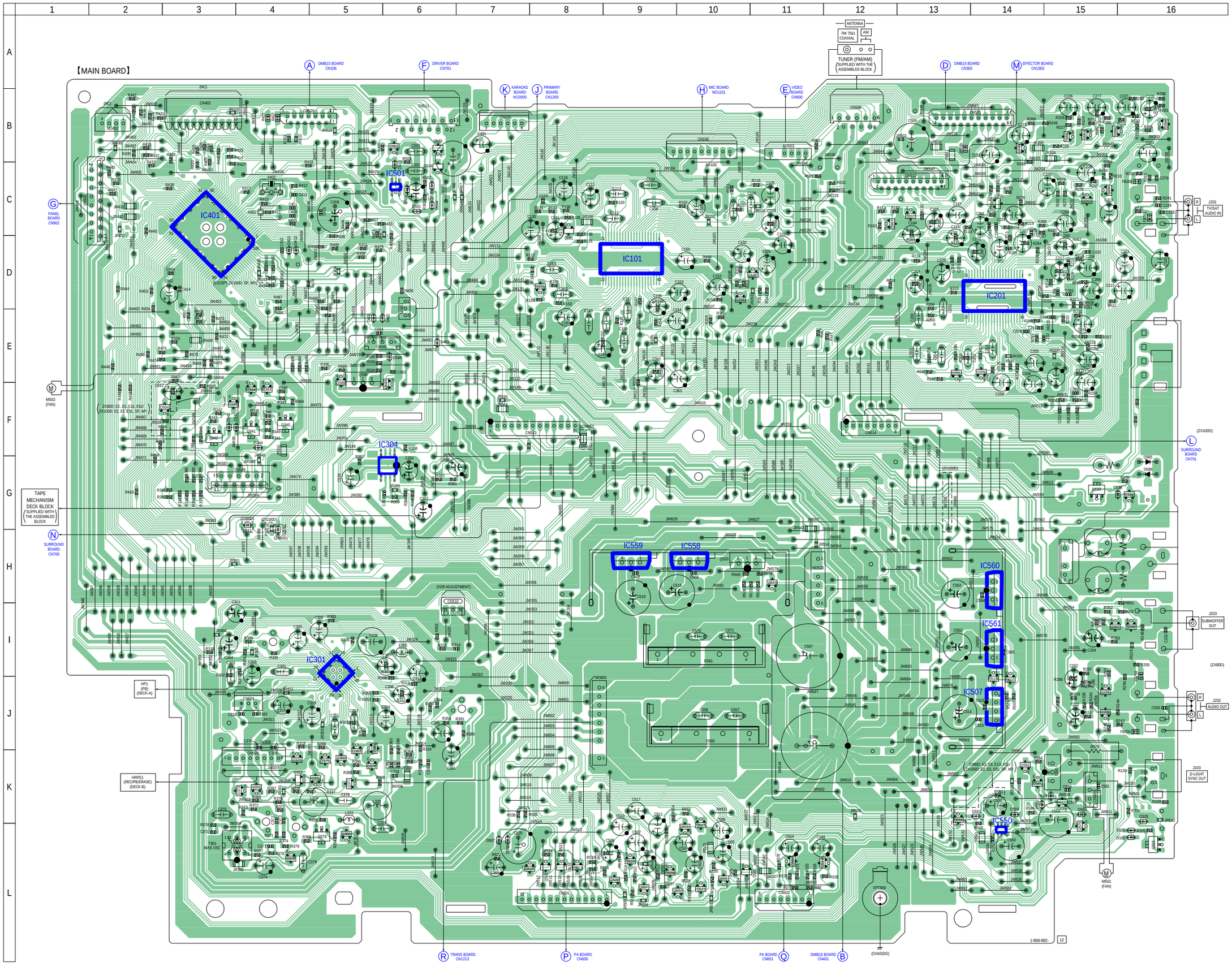


- **Localizaçào do Semicondutor**

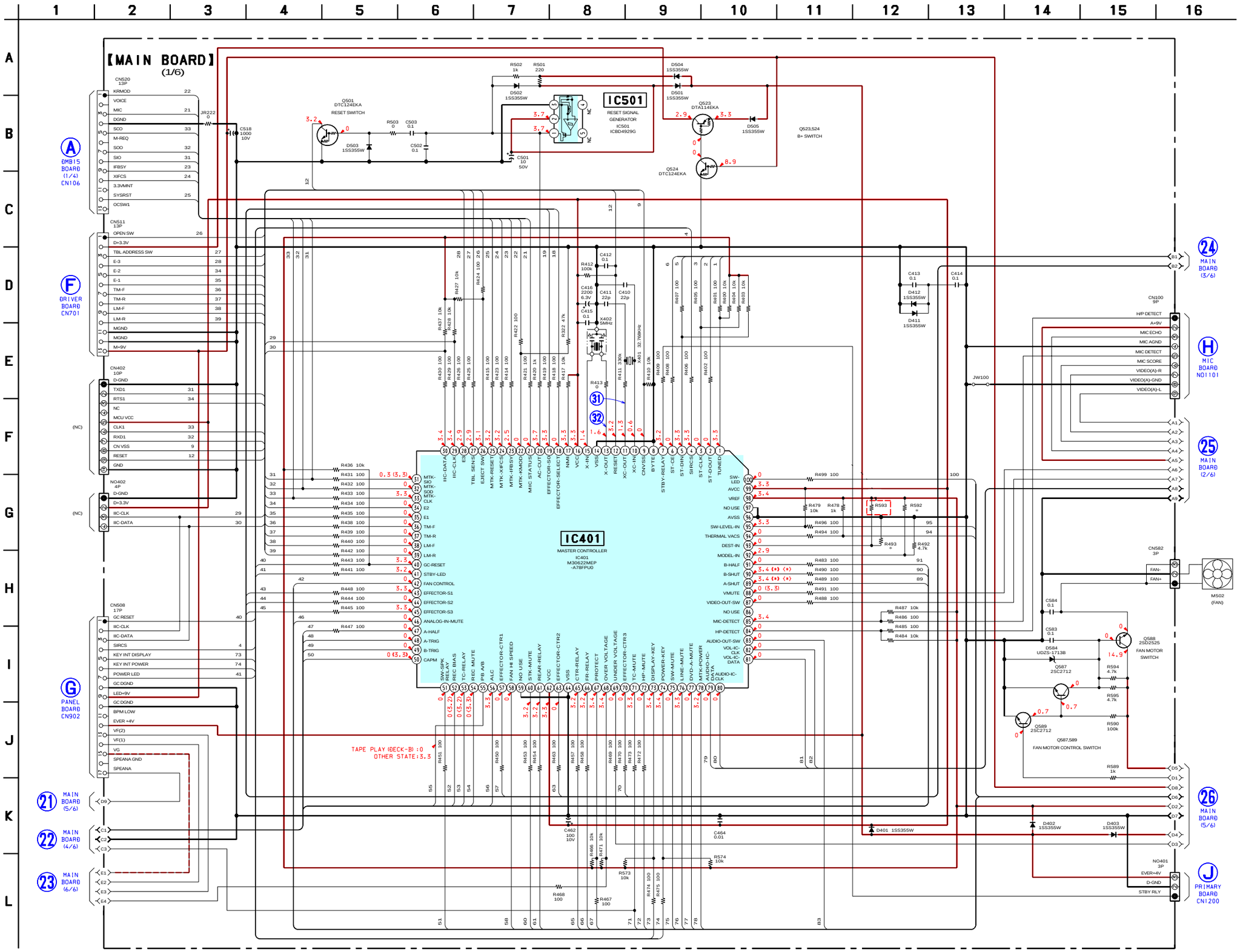
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	L-16	D507	L-7	IC401	C-3	Q202	B-15	Q341	F-4	Q504	F-3	Q522	L-10
D102	L-16	D510	H-4	IC501	C-6	Q203	B-15	Q342	F-3	Q505	L-10	Q523	B-6
D136	G-16	D511	G-4	IC507	J-14	Q204	C-15	Q343	F-4	Q506	L-10	Q524	C-6
D325	K-16	D550	K-14	IC550	L-14	Q205	E-14	Q344	F-4	Q507	L-9	Q550	K-13
D340	F-4	D551	K-14	IC558	H-10	Q206	J-15	Q345	F-3	Q508	L-9	Q564	L-11
D341	F-4	D560	J-10	IC559	H-9	Q207	I-15	Q370	L-4	Q509	L-9	Q578	K-15
D342	F-3	D561	I-10	IC560	H-14	Q208	I-16	Q372	K-4	Q510	L-9	Q579	L-15
D401	E-5	D581	K-14	IC561	I-14	Q250	C-14	Q373	K-4	Q511	L-8	Q581	K-14
D402	E-5	D582	K-15			Q252	C-15	Q375	K-5	Q512	L-8	Q582	K-14
D403	E-6	D583	K-15	Q101	C-8	Q253	B-15	Q377	K-5	Q513	H-11	Q585	K-15
D411	D-4	D584	E-6	Q103	G-15	Q254	B-16	Q378	L-5	Q514	L-11	Q587	F-6
D412	D-4	D585	G-16	Q104	G-16	Q255	E-13	Q379	K-5	Q515	L-8	Q588	E-5
D501	C-6	D586	G-16	Q106	D-11	Q256	J-15	Q380	L-5	Q516	L-10	Q589	F-5
D502	C-6			Q117	C-13	Q321	K-5	Q381	J-5	Q517	L-10		
D503	C-6	IC101	D-9	Q151	D-8	Q322	K-4	Q382	K-5	Q518	J-14		
D504	C-6	IC201	D-14	Q156	D-10	Q323	L-16	Q383	K-5	Q519	L-8		
D505	C-6	IC301	I-5	Q167	C-12	Q325	K-4	Q501	B-6	Q520	H-10		
D506	L-7	IC304	G-6	Q200	B-14	Q340	F-4	Q503	J-14	Q521	L-10		

7-23. PLACA DE CIRCUITO IMPRESSO – PLACA MAIN .

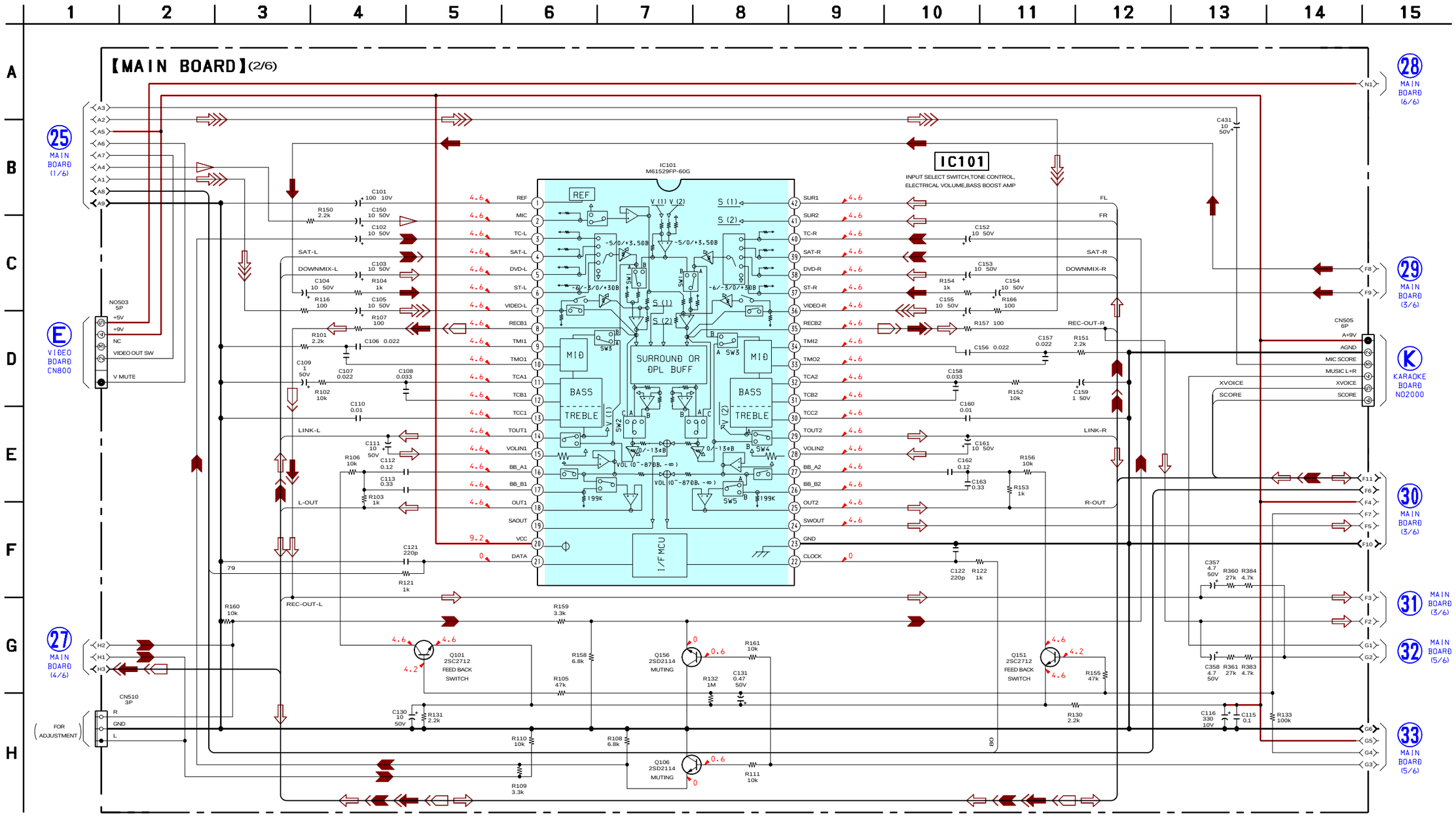
: Utiliza liga de solda sem chumbo



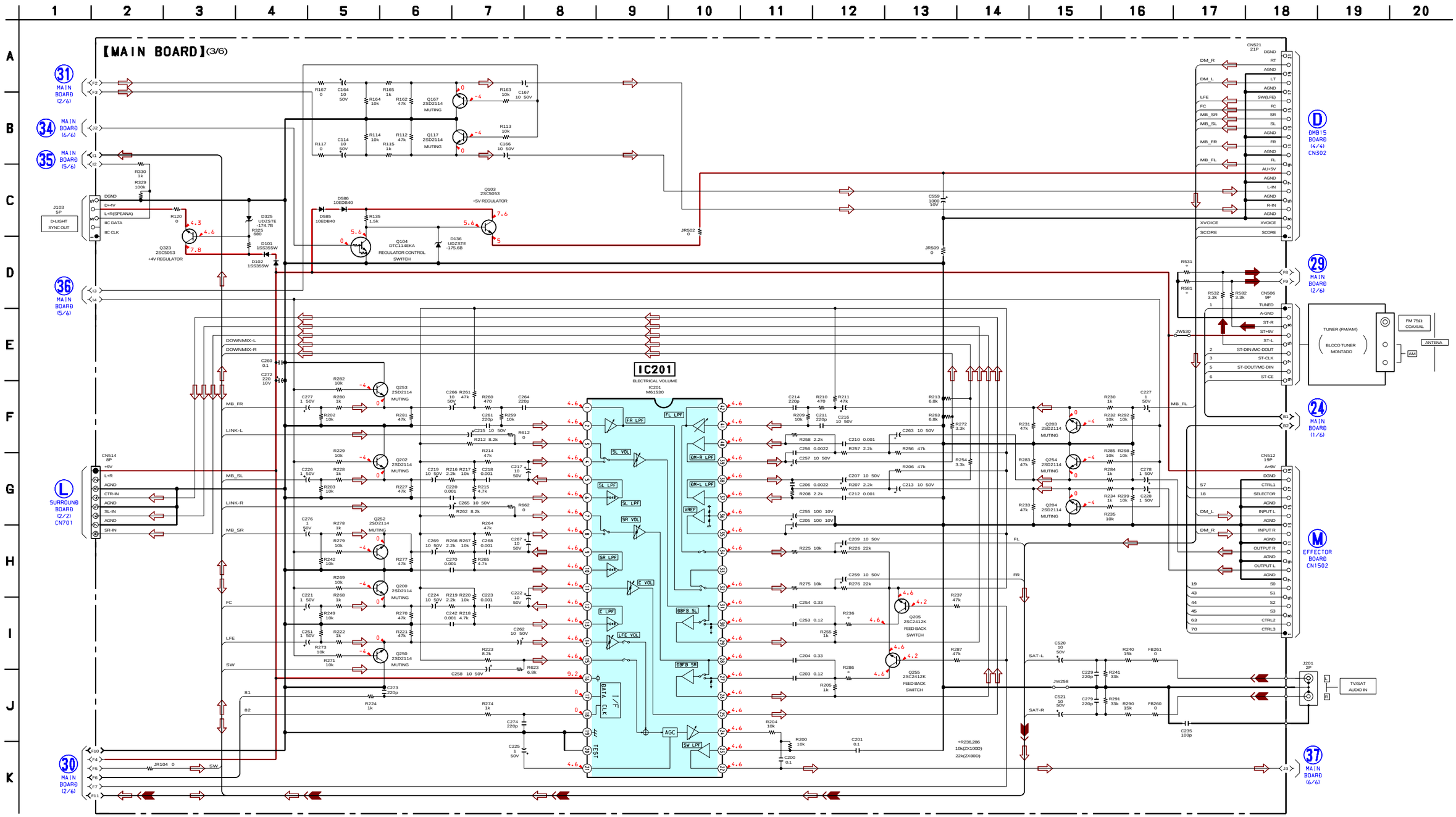
7-24. DIAGRAMA ESQUEMATICO – PLACA MAIN (1/6).



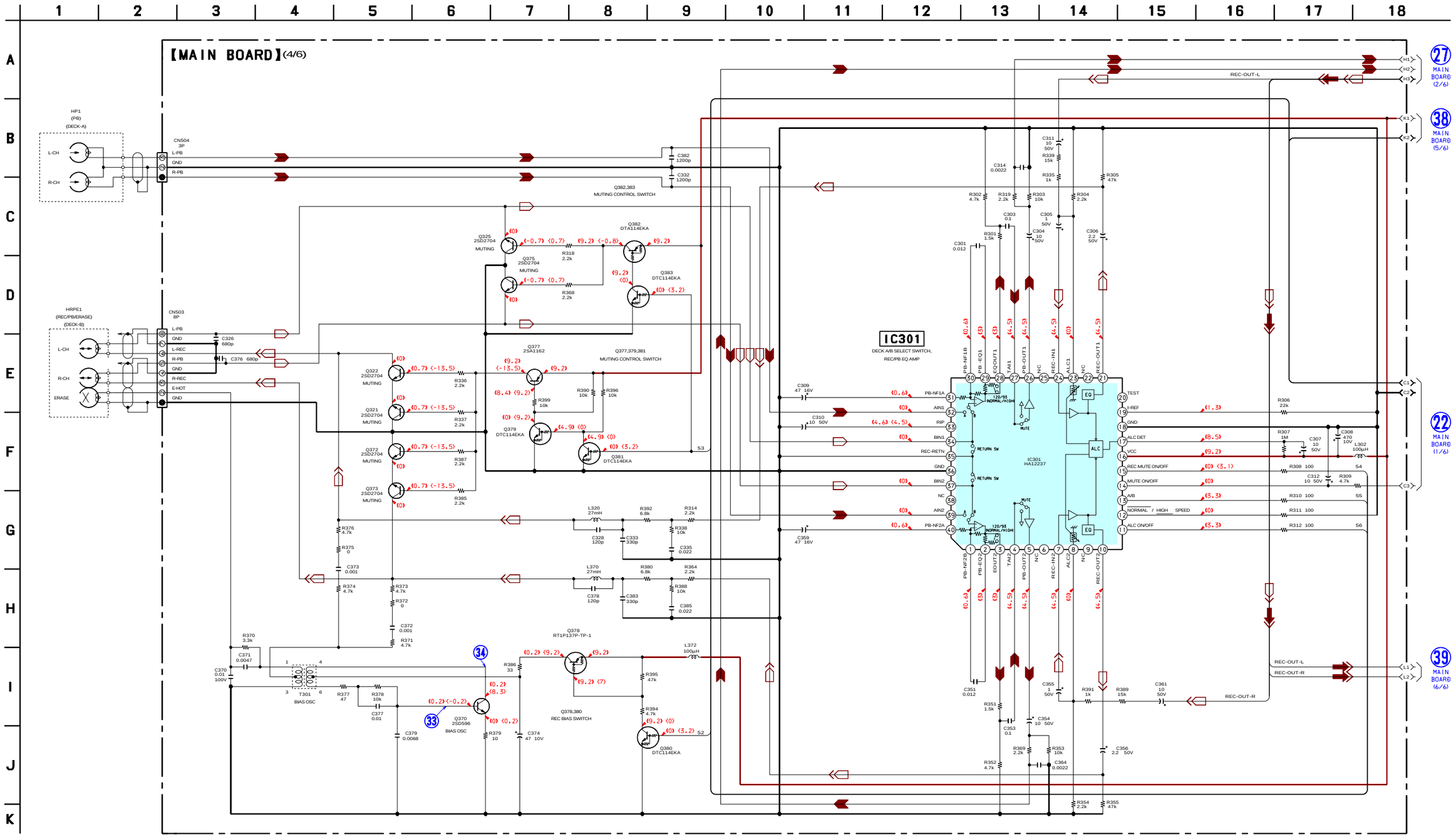
7-25. DIAGRAMA ESQUEMATICO – PLACA MAIN (2/6)



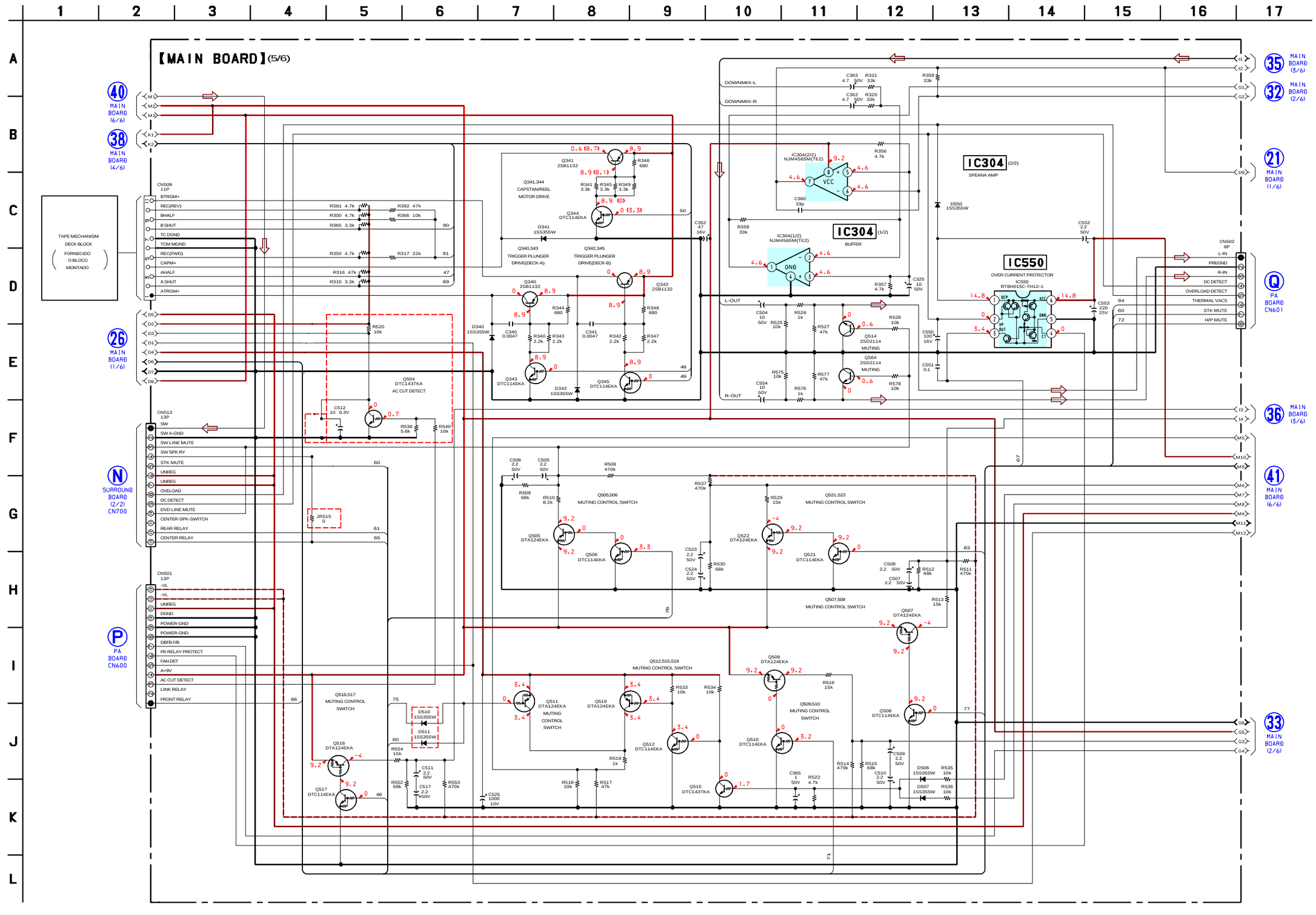
7-26. DIAGRAMA ESQUEMATICO – PLACA MAIN (3/6)



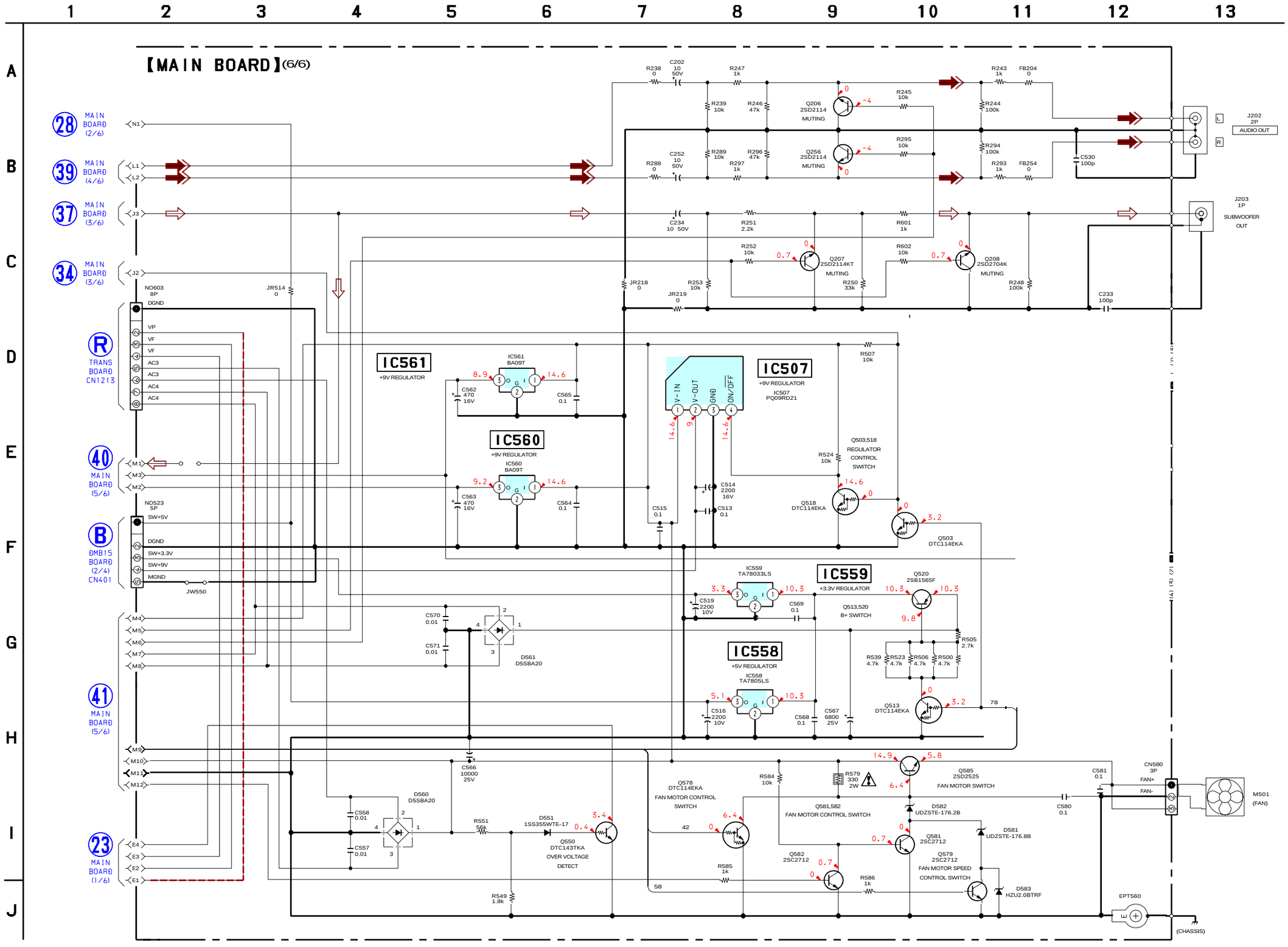
7-27. DIAGRAMA ESQUEMATICO – PLACA MAIN (4/6)



7-28. DIAGRAMA ESQUEMATICO – PLACA MAIN (5/6)

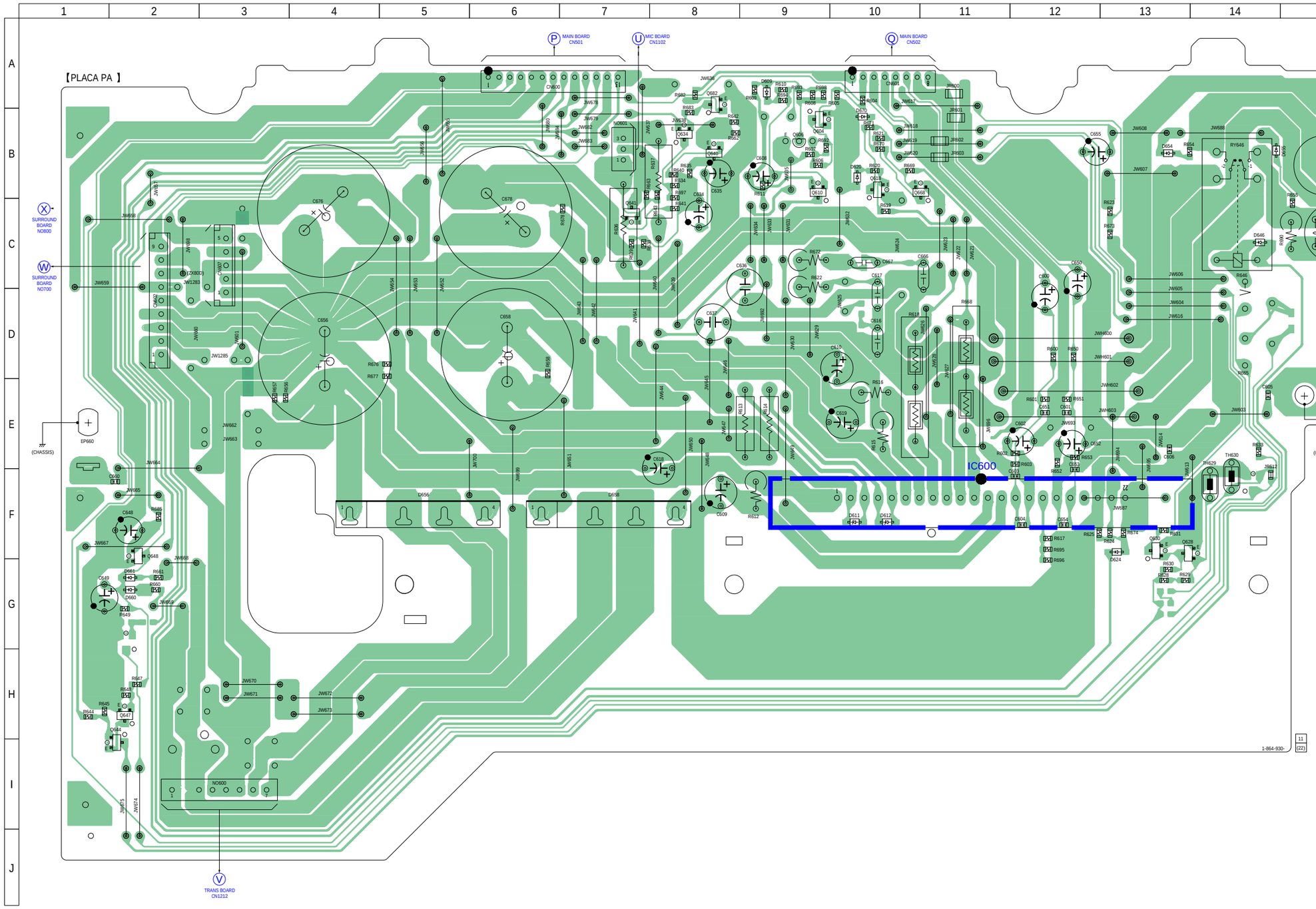


7-29. DIAGRAMA ESQUEMATICO – PLACA MAIN (6/6)



7-30. PLACA DE CIRCUITO IMPRESSO – PLACA PA

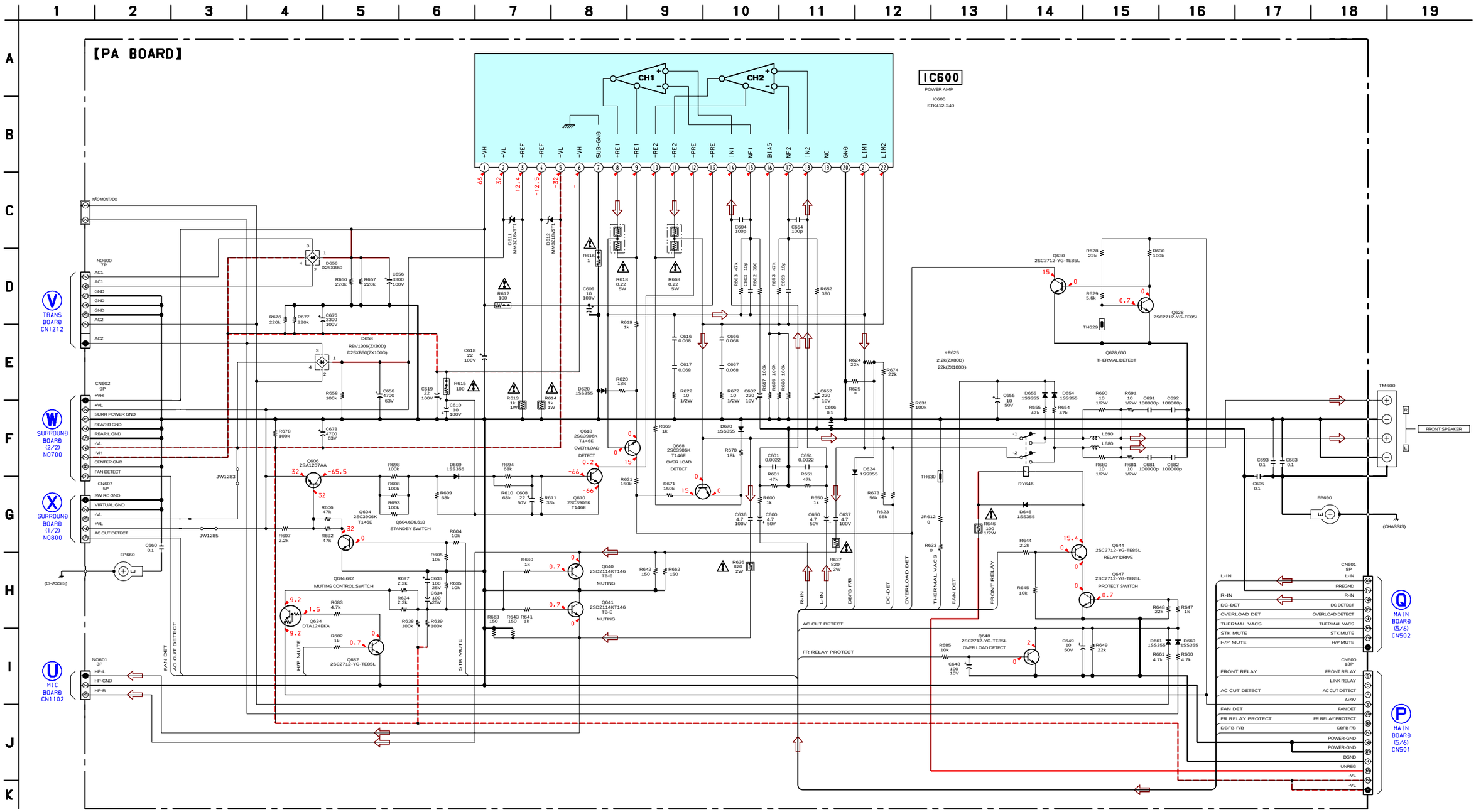
: Utiliza liga de solda sem chumbo



- **localização do Semicondutor**

Ref. No.	Location
D609	A-9
D611	F-10
D612	F-10
D620	B-10
D624	F-13
D646	C-14
D654	B-13
D655	B-14
D656	F-5
D658	F-7
D660	G-2
D661	G-2
D670	B-10
IC600	F-11
Q604	B-9
Q606	B-9
Q610	B-9
Q618	B-10
Q628	F-13
Q630	F-13
Q634	B-8
Q640	B-8
Q641	C-7
Q644	I-2
Q647	H-2
Q648	F-2
Q668	B-11
Q682	A-8

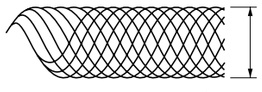
7-31. DIAGRAMA ESQUEMATICO – PLACA PA



• **Formas de onda**

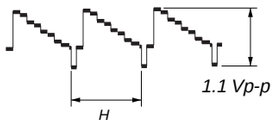
– PLACA DMB15 –

① IC102 ⑥ (DVDRFIP) (DVD play mode)



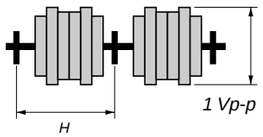
500 mV/DIV, 200 ns/DIV

② IC102 ⑭ (YUV1) (Color bar)



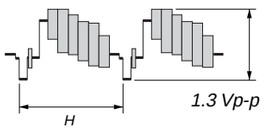
500 mV/DIV, 20 µs/DIV

③ IC102 ⑯ (YUV2) (Color bar)



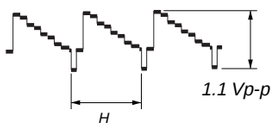
500 mV/DIV, 20 µs/DIV

④ IC102 ⑲ (YUV3) (Color bar)



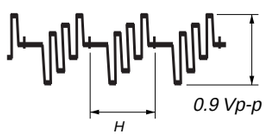
500 mV/DIV, 20 µs/DIV

⑤ IC102 ⑳ (YUV4) (Color bar)



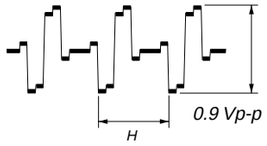
500 mV/DIV, 20 µs/DIV

⑥ IC102 ⑫ (YUV5) (Color bar)



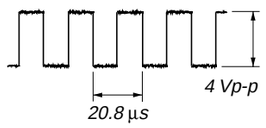
500 mV/DIV, 20 µs/DIV

⑦ IC102 ⑬ (YUV6) (Color bar)



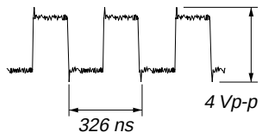
500 mV/DIV, 20 µs/DIV

⑧ IC102 ㉑ (ALRCK)



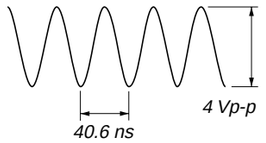
2 V/DIV, 10 µs/DIV

⑨ IC102 ㉔ (ABCK)



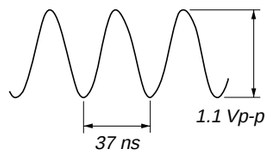
2 V/DIV, 100 ns/DIV

⑩ IC102 ㉕ (ACLK)



2 V/DIV, 20 ns/DIV

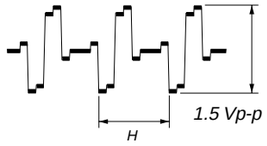
⑪ IC102 ㉘ (XTALO)



500 mV/DIV, 10 ns/DIV

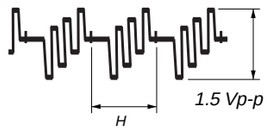
– PLACA VIDEO –

㉑ IC801 ⑯ (CROUT) (Color bar)



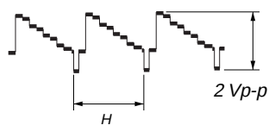
500 mV/DIV, 20 µs/DIV

㉒ IC801 ⑱ (CBOUT) (Color bar)



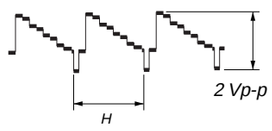
500 mV/DIV, 20 µs/DIV

㉓ IC801 ⑳ (CYOUT) (Color bar)



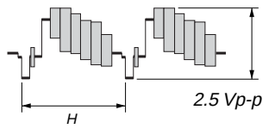
1 V/DIV, 20 µs/DIV

㉔ IC801 ㉑ (YOUT) (Color bar)



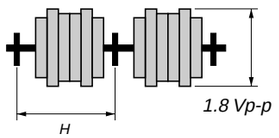
1 V/DIV, 20 µs/DIV

㉕ IC801 ㉓ (CVBSOUT) (Color bar)



1 V/DIV, 20 µs/DIV

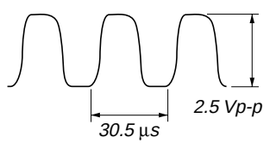
㉖ IC801 ㉖ (C OUT) (Color bar)



1 V/DIV, 20 µs/DIV

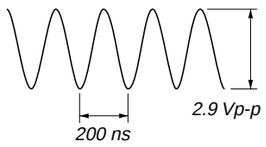
– PLACA MAIN –

㉛ IC401 ⑪ (XC-OUT)



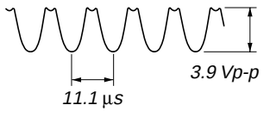
1 V/DIV, 10 µs/DIV

㉜ IC401 ⑬ (X-OUT)



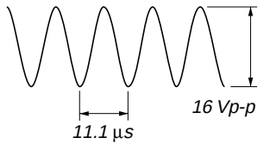
1 V/DIV, 100 ns/DIV

㉝ Q370 (Base) (REC mode)



2 V/DIV, 5 µs/DIV

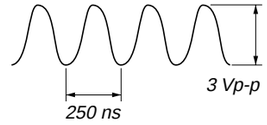
㉞ Q370 (Collector) (REC mode)



5 V/DIV, 5 µs/DIV

– PLACA PANEL –

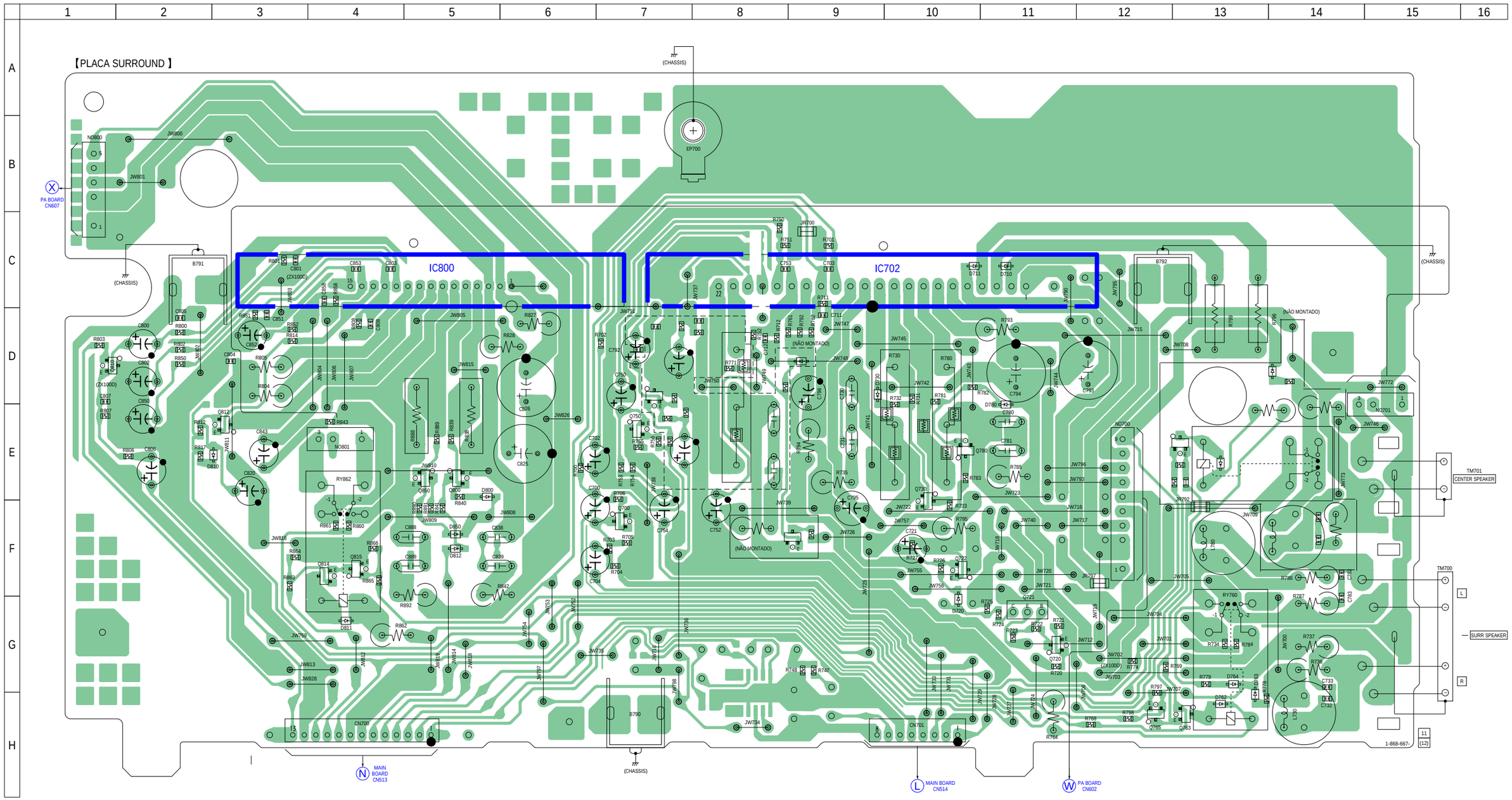
㊶ IC902 ㉜ (XOUT)



1 V/DIV, 100 ns/DIV

7-32. PLACA DE CIRCUITO IMPRESSO – PLACA SURROUND

: Utiliza liga de solda sem chumbo



- **Localização do Semicondutor**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D710	C-11	D811	G-4	Q750	E-7
D711	C-10	D812	F-5	Q762	E-13
D720	G-10	D850	F-5	Q763	H-13
D730	D-9			Q765	H-12
D761	E-13	IC702	C-9	Q770	F-9
D762	H-13	IC800	C-5	Q780	E-10
D763	H-13			Q800	E-5
D764	G-13	Q700	F-7	Q810	D-1
D765	D-14	Q720	G-11	Q812	E-3
D770	D-9	Q721	G-11	Q814	F-4
D780	E-11	Q722	F-10	Q815	F-4
D800	E-5	Q730	F-10	Q850	E-5
D810	E-2	Q740	D-7		

7-33. DIAGRAMA ESQUEMATICO – PLACA SURROUND (1/2)

【SURROUND BOARD】(1/2)

IC800
POWER AMP
IC800
STK403-070(ZX80D)
STK403-100(ZX100D)

CH1 CH2

-PRE -VCC +VCC +RE1 -RE1 +RE2 -RE2 +PRE SUB GND IN1 NF1 ST-BY NF2 IN2

51 SURROUND BOARD (2/2)

52 SURROUND BOARD (2/2)

53 SURROUND BOARD (2/2)

X PA BOARD CN607

AA SURROUND BOARD (2/2) NO701

NO800 5P
SW RC GND
VIRTUAL GND
-VL
+VL
AC CUT DETECT

NO801 5P
SW +
SW -

RY862

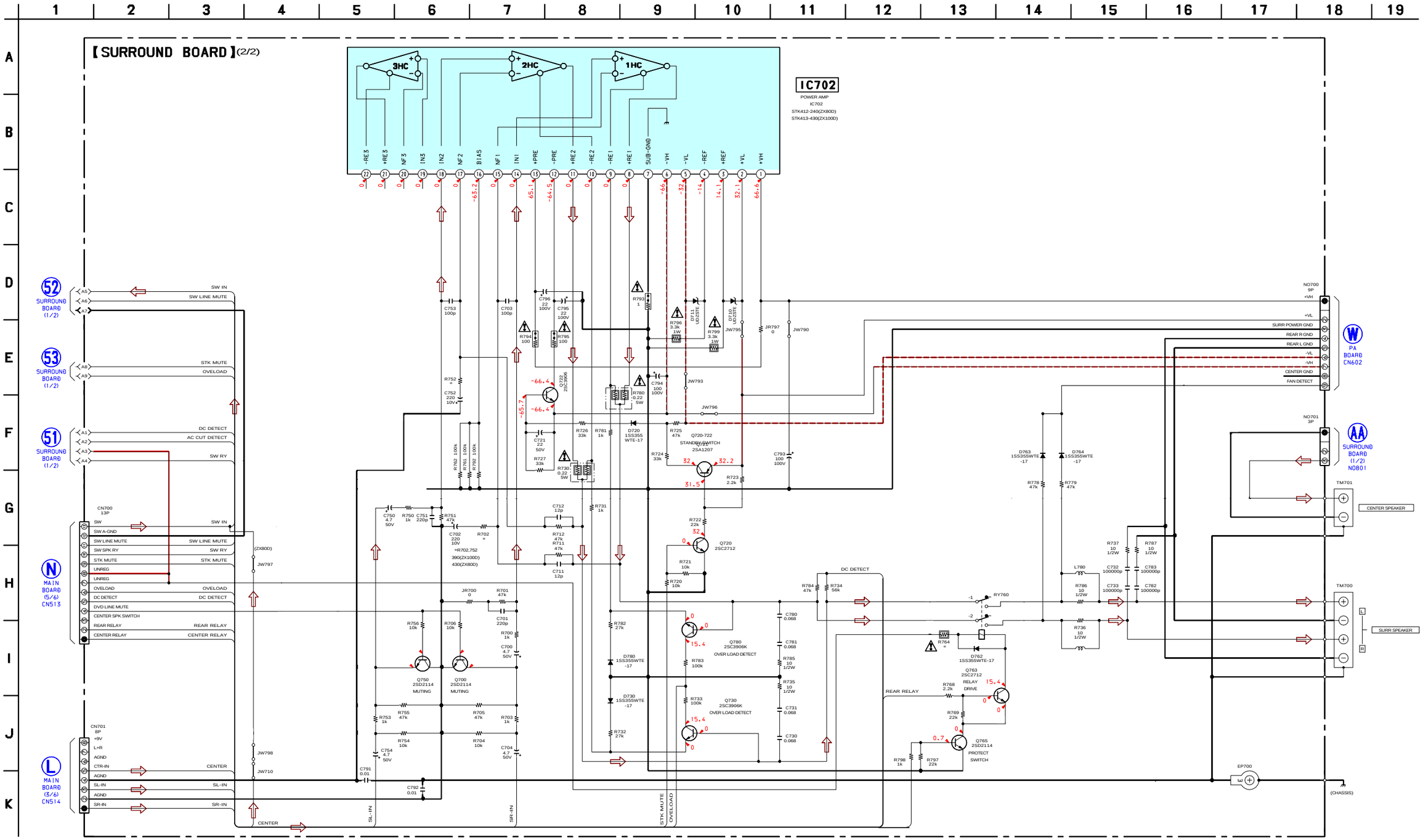
R827 100
R828 100
R838 0.22 5W
R888 0.22 5W
R839 1k
R889 1k
R804 1
R805 1
C826 100 50V
C825 100 50V
C804 0.1
C803 100p
C853 100p
R850 1k
C850 4.7 50V
R851 47k
C851 0.01
R801 47k
R800 1k
C800 4.7 50V
R807 47k
R806 1k
C806 2.2 50V
R803 2.2k
C852 100 10V
R852 270
*R802 270(ZX100D) 1k(ZX80D)
R802 *
C802 100 10V
Q810 2SD2114 MUTING
C808 8.2p
R808 47k
R843 47k
C843 4.7 50V
R858 47k
R814 10k
C858 8.2p
C805 0.1
B791
(CHASSIS)

R842 10 1/2W
C839 0.068
C838 0.068
R892 10 1/2W
R860 56k
R861 47k
R862 *
D811 1SS355WTE-17
D850 1SS355WTE-17
R890 22k
R840 22k
D800 1SS355WTE-17
C889 0.068
C888 0.068
R841 100k
R891 100k
D812 1SS355WTE-17

Q800 2SC3906K OVER LOAD DETECT
Q850 2SC3906K OVER LOAD DETECT
Q812 2SC3906K STANDBY SWITCH
Q814 2SC2712-YG-TE85L RELAY DRIVE
Q815 2SC2712-YG-TE85L PROTECT SWITCH

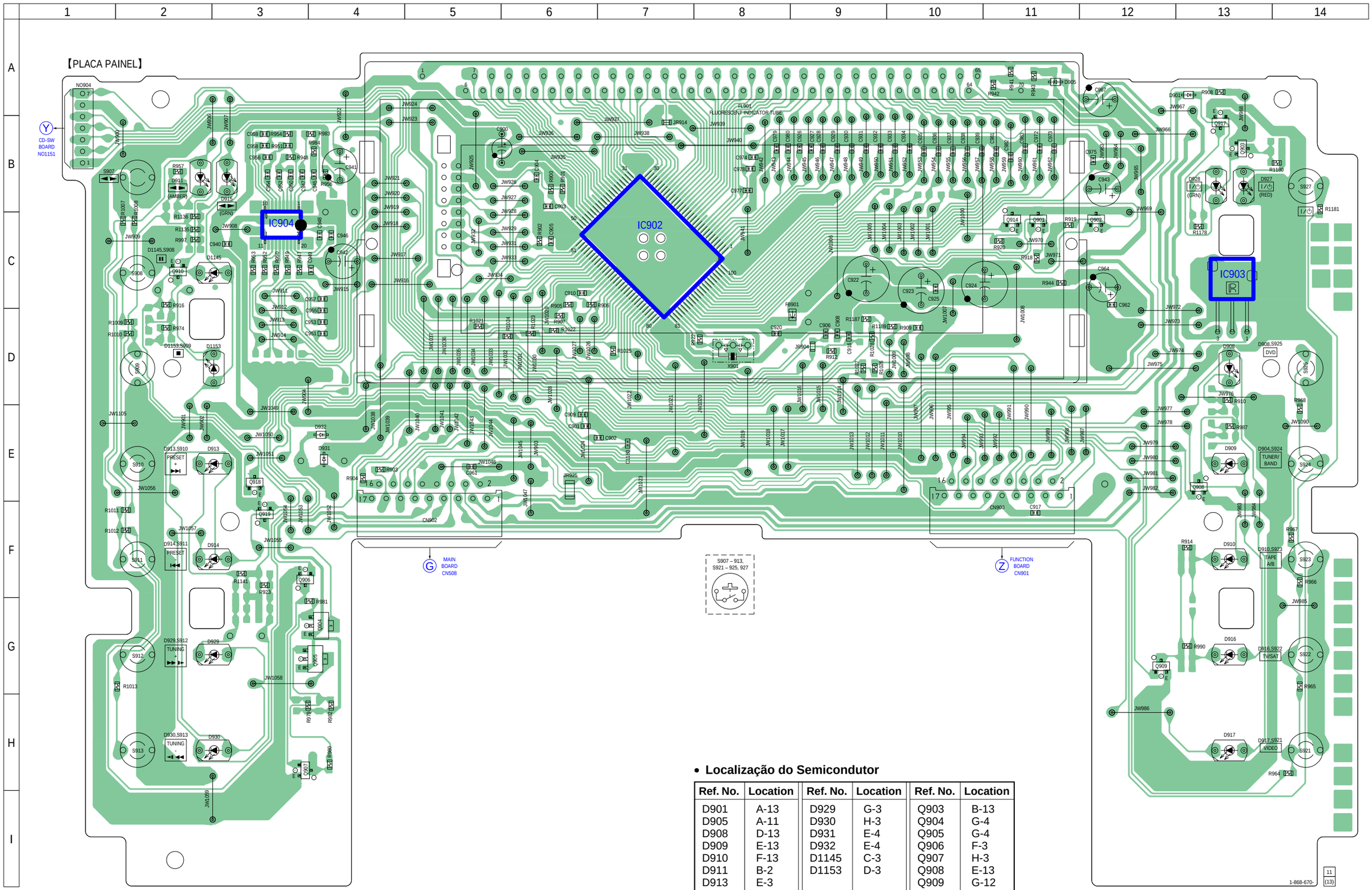
R863 2.2k
R864 22k
R865 1k
R866 22k
C820 10 50V
R817 10k
D810 1SS355WTE-17
R812 2.2k

7-34. DIAGRAMA ESQUEMATICO – PLACA SURROUND (2/2)



7-35. PLACA DE CIRCUITO IMPRESSO – PLACA PAINEL

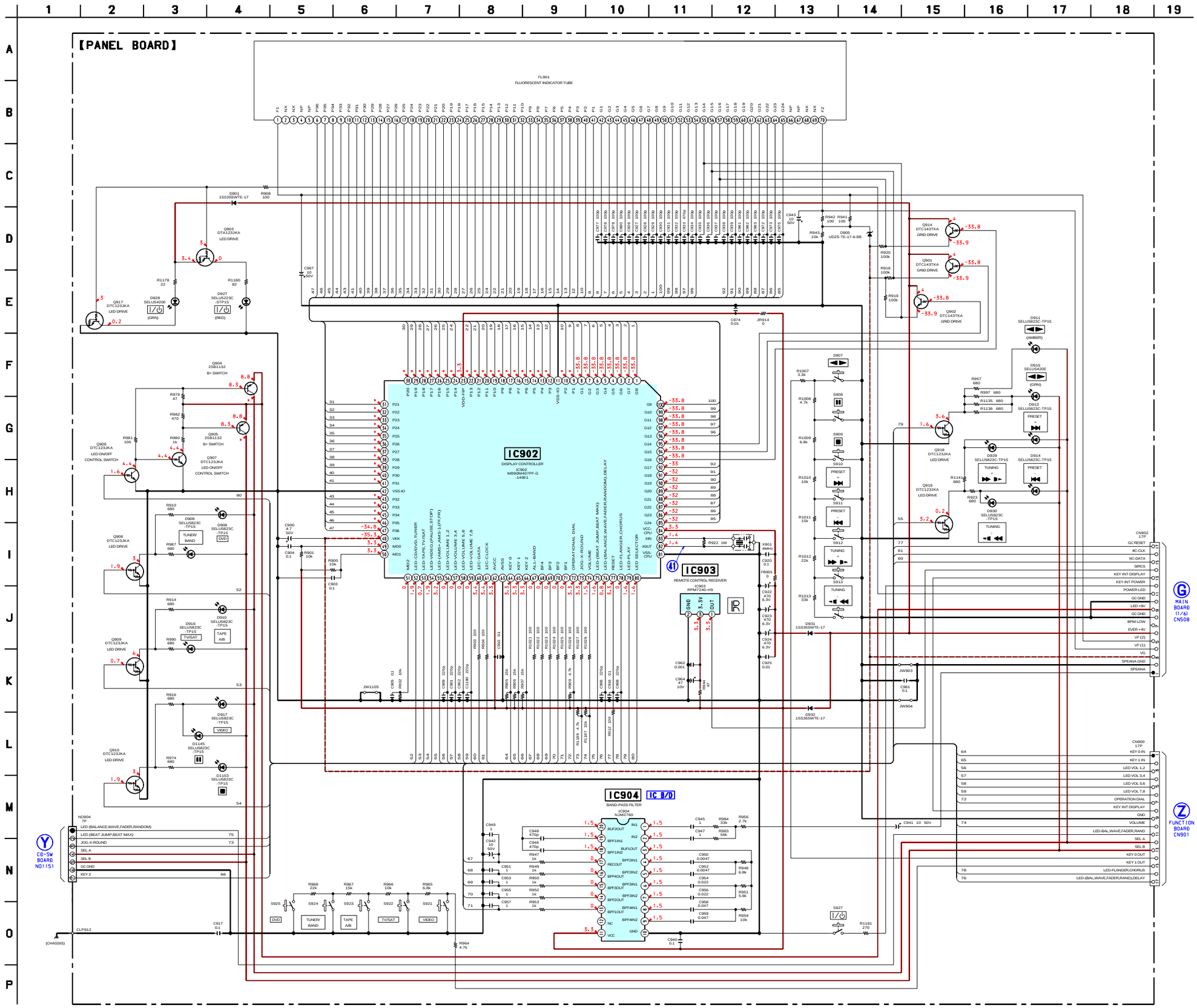
: Utiliza liga de solda sem chumbo



- **Localização do Semicondutor**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	A-13	D929	G-3	Q903	B-13
D905	A-11	D930	H-3	Q904	G-4
D908	D-13	D931	E-4	Q905	G-4
D909	E-13	D932	E-4	Q906	F-3
D910	F-13	D1145	C-3	Q907	H-3
D911	B-2	D1153	D-3	Q908	E-13
D913	E-3			Q909	G-12
D914	F-3	IC902	C-7	Q910	C-2
D915	B-3	IC903	C-13	Q914	C-11
D916	G-13	IC904	C-3	Q917	B-13
D917	H-13			Q918	E-3
D927	B-13	Q901	C-11	Q919	F-3
D928	B-13	Q902	C-12		

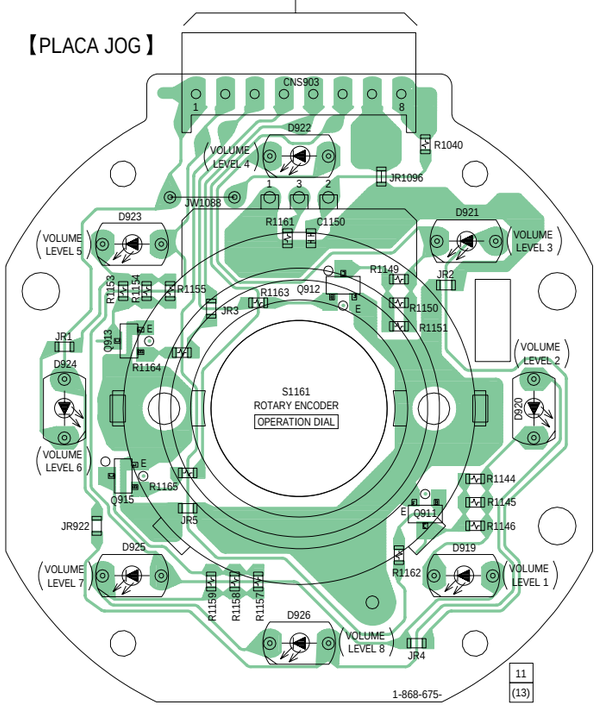
7-36. DIAGRAMA ESQUEMATICO – PLACA PAINEL



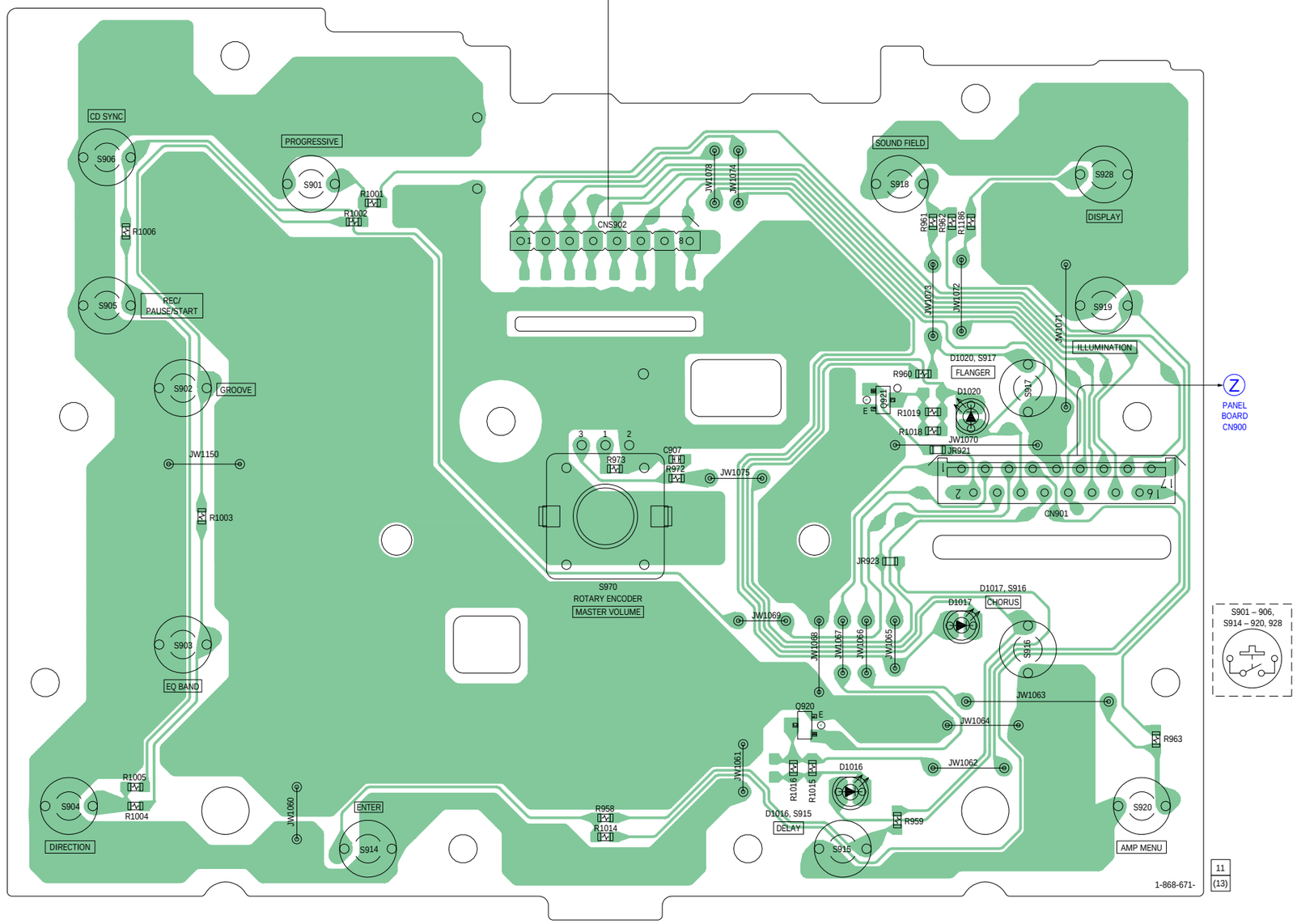
7-37. PLACA DE CIRCUITO IMPRESSO – SEÇÃO FRONT KEY

: Utiliza liga de solda sem chumbo

【PLACA JOG】



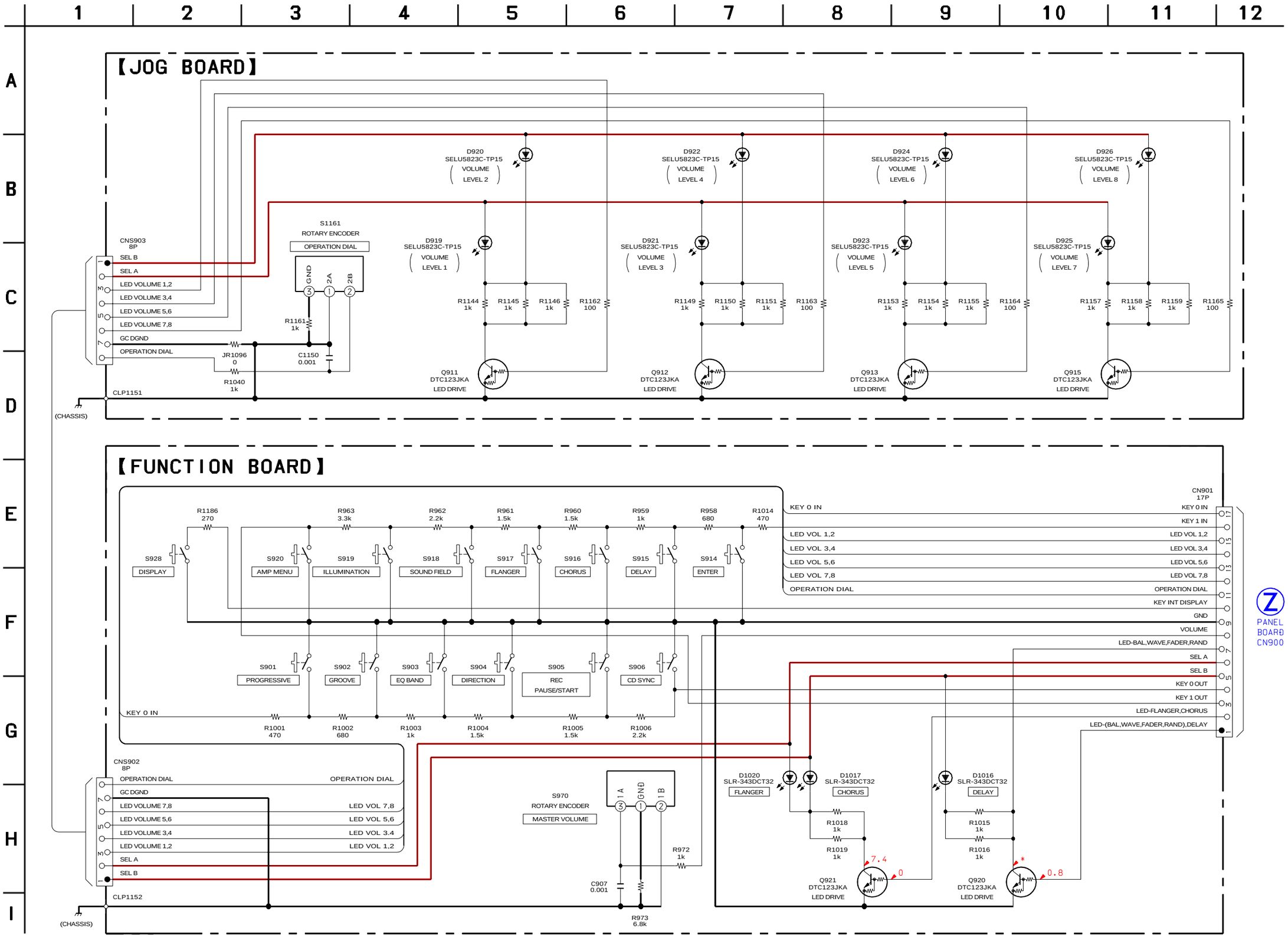
【PLACA FUNCTION】



- **Localização do Semicondutor**

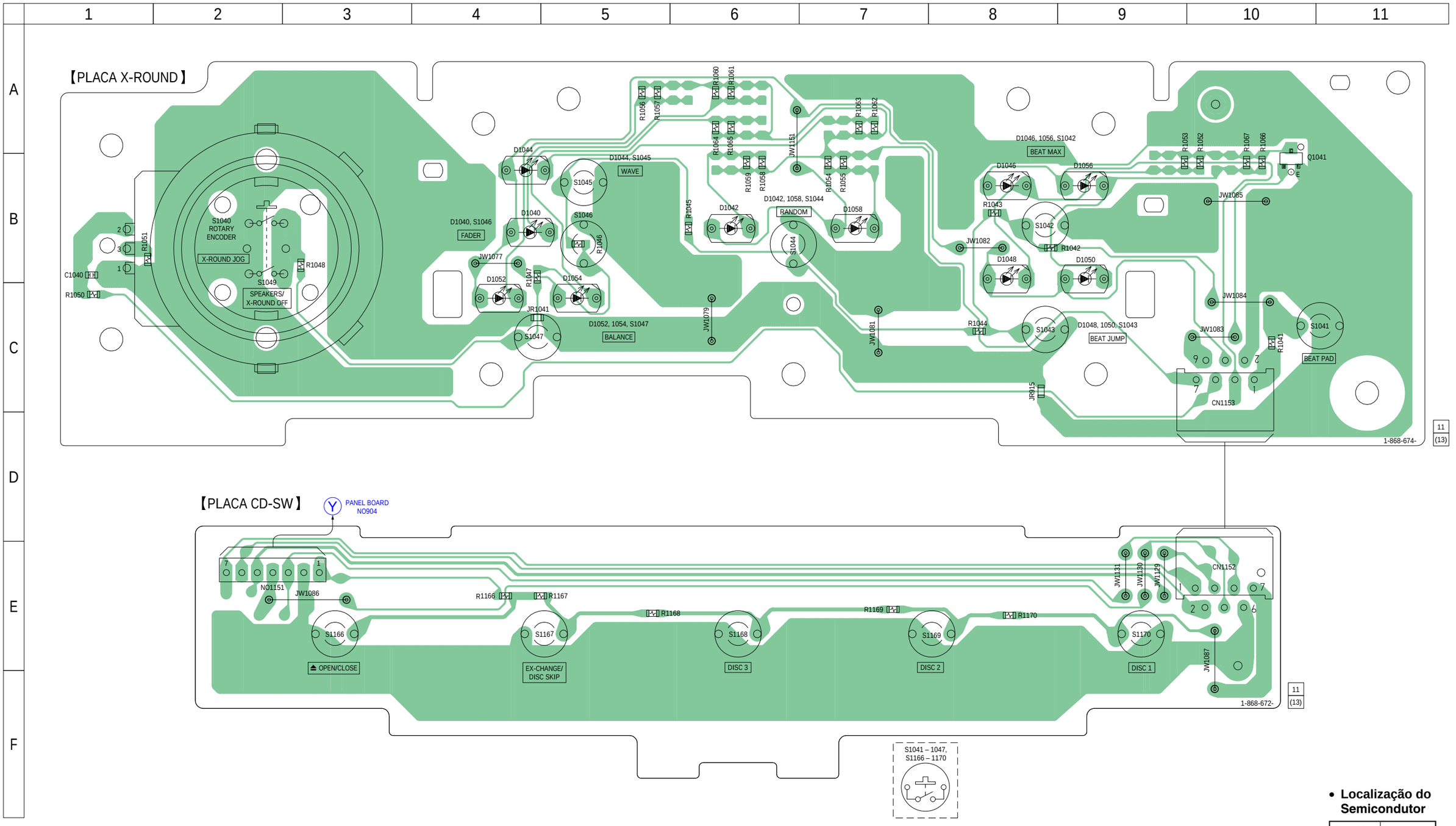
Ref. No.	Location
D919	D-3
D920	C-3
D921	B-3
D922	B-2
D923	B-1
D924	C-1
D925	D-1
D926	D-2
D1016	F-10
D1017	E-10
D1020	D-10
Q911	D-3
Q912	B-3
Q913	C-1
Q915	C-1
Q920	F-9
Q921	D-10

7-38. DIAGRAMA ESQUEMATICO – SEÇÃO FRONT KEY



7-39. PLACA DE CIRCUITO IMPRESSO – SEÇÃO TOP KEY

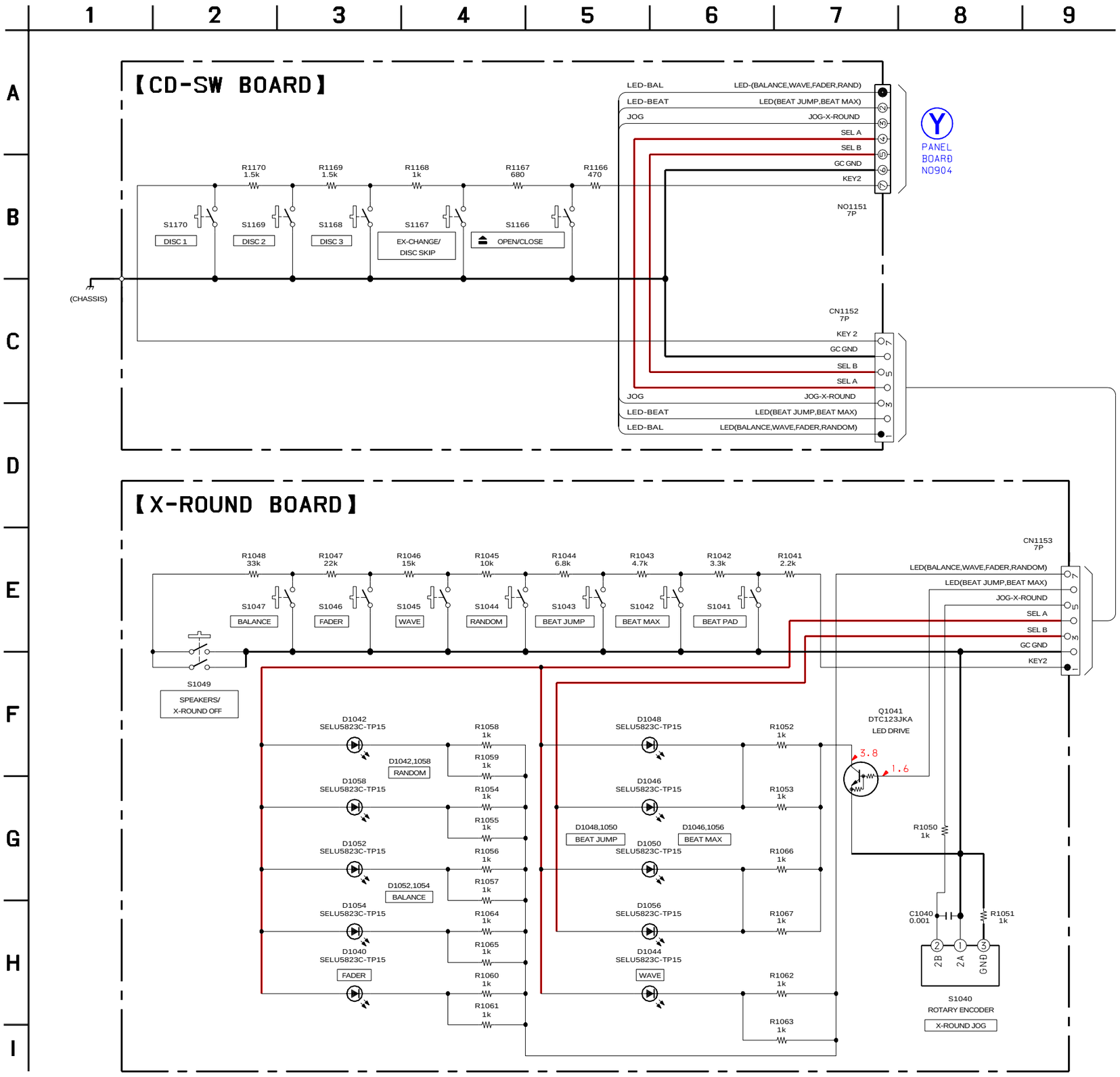
: Utiliza liga de solda sem chumbo



- **Localização do Semicondutor**

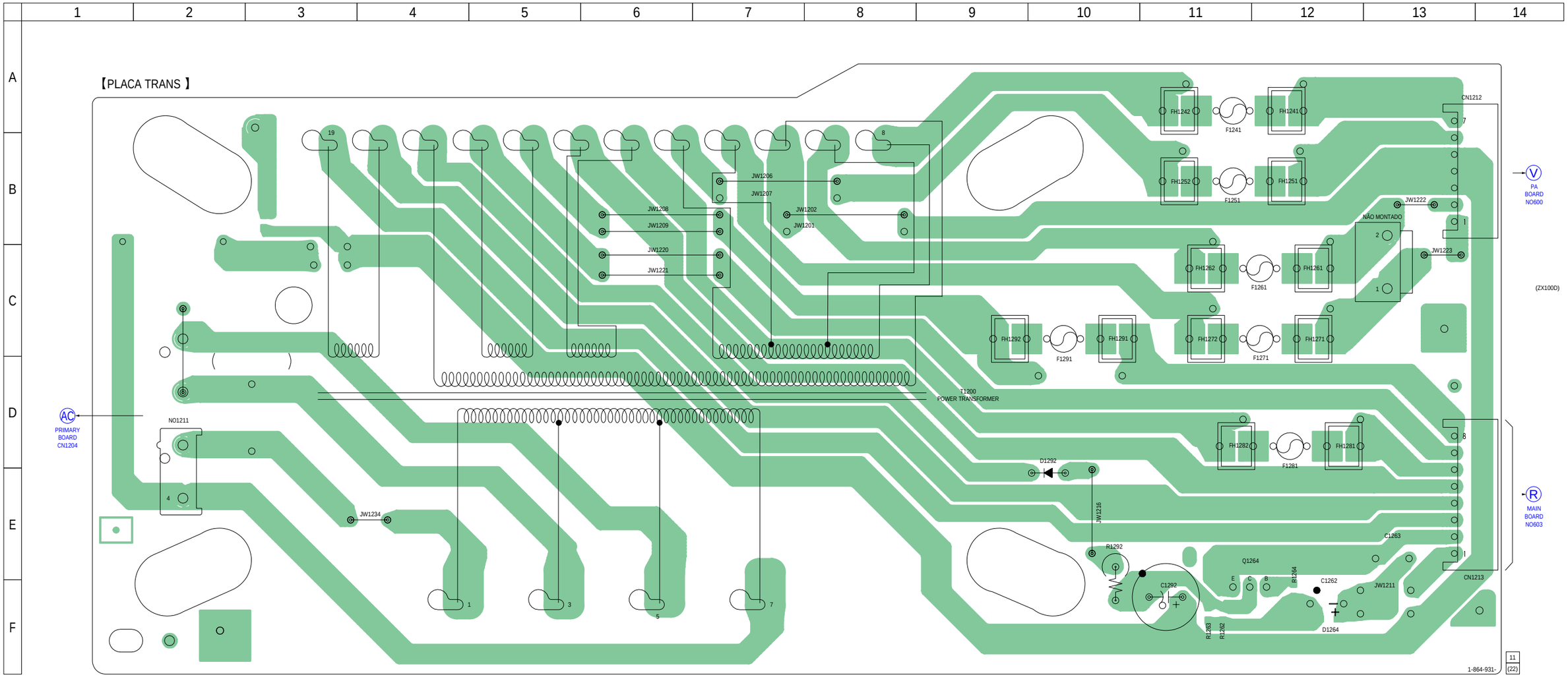
Ref. No.	Location
D1040	B-4
D1042	B-6
D1044	B-4
D1046	B-8
D1048	B-8
D1050	B-9
D1052	C-4
D1054	C-5
D1056	B-9
D1058	B-7
Q1041	B-10

7-40. DIAGRAMA ESQUEMATICO – SEÇÃO TOP



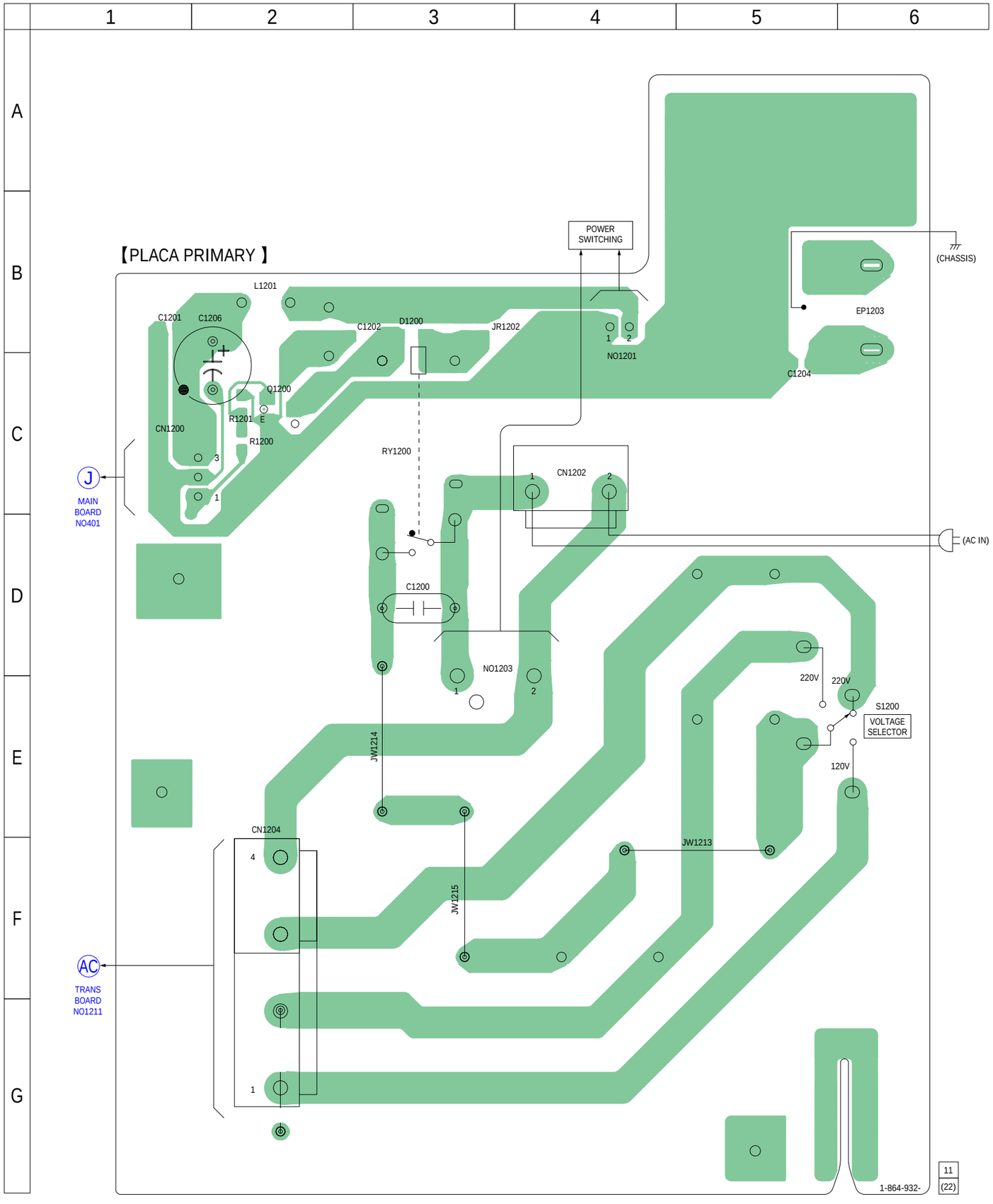
7-41. PLACA DE CIRCUITO IMPRESSO – PLACA TRANSFORMER

: Utiliza liga de solda sem chumbo

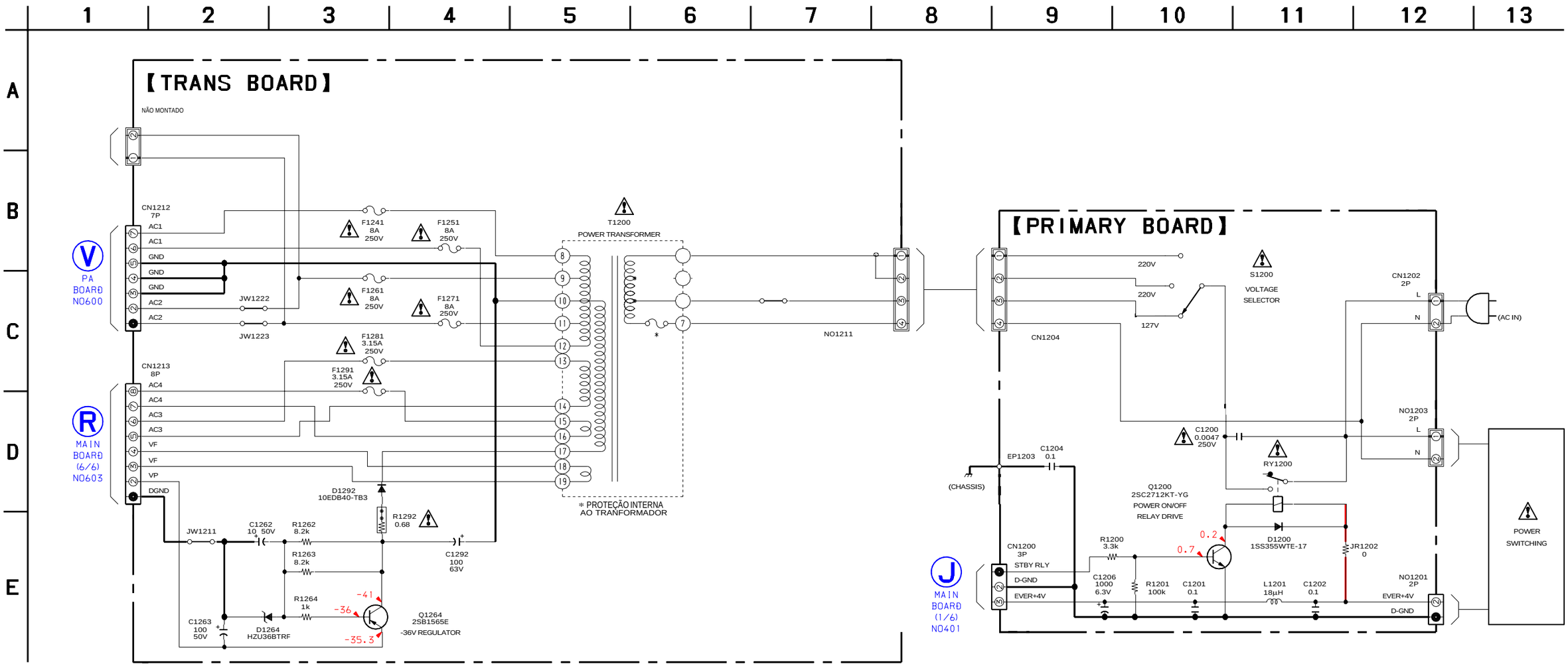


7-42. PLACA DE CIRCUITO IMPRESSO – PLACA PRIMARY

: Utiliza liga de solda sem chumbo



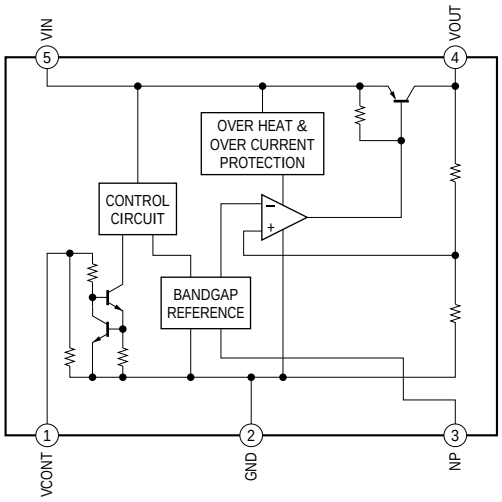
7-43. DIAGRAMA ESQUEMATICO – SEÇÃO POWER SUPPLY



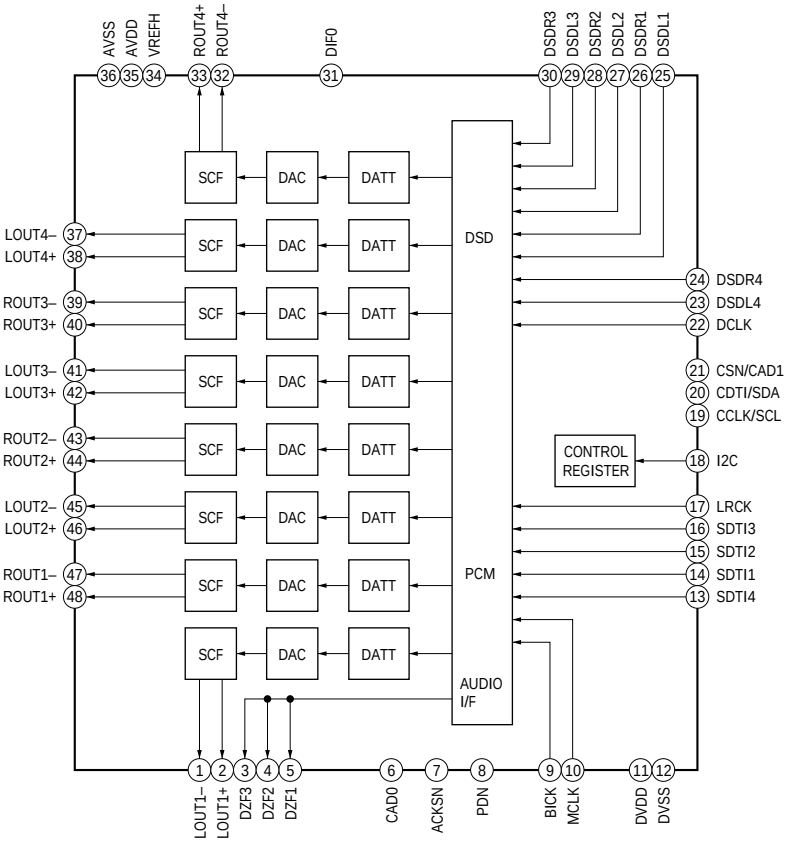
- **Diagrama em Blocos dos ICs**

– Placa DMB15 –

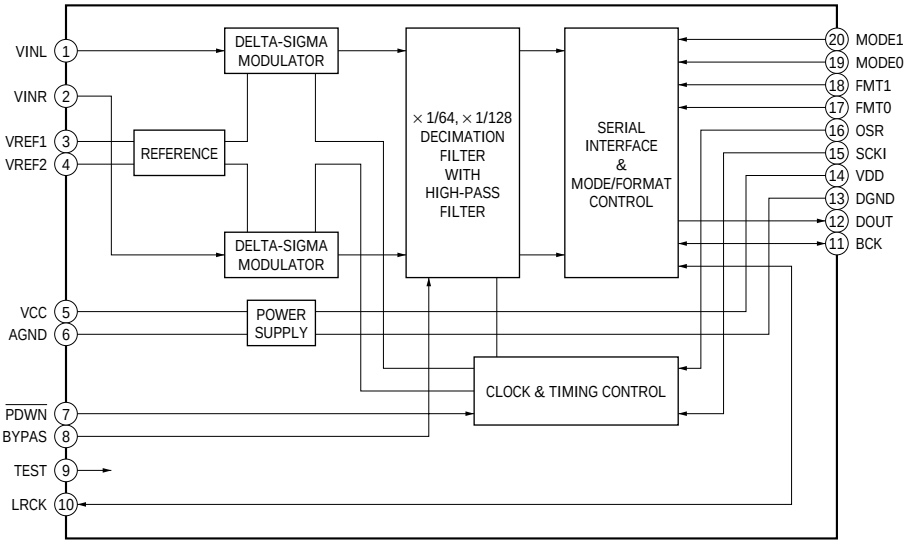
IC105, 107 TK11133CSCL-G



IC301 AK4358VQ-L

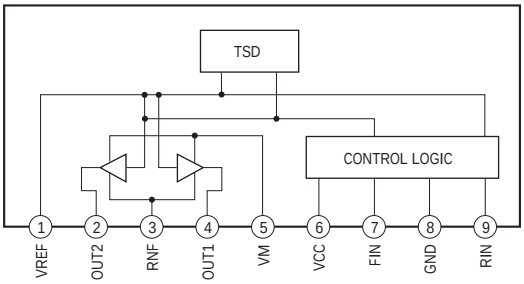


IC3601 PCM1803DBR



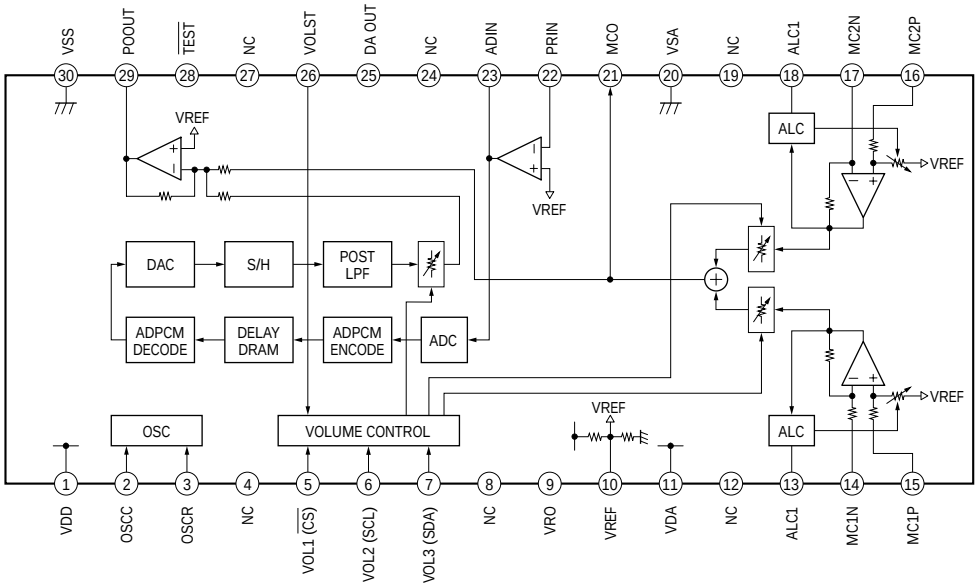
– Placa DRIVER –

IC701, 712 BA6956AN



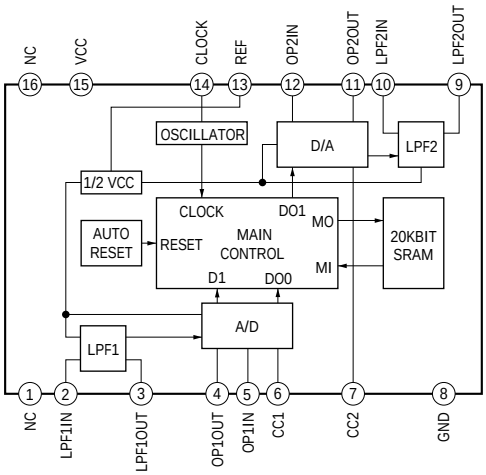
– Placa MIC –

IC1100 TC9488FG

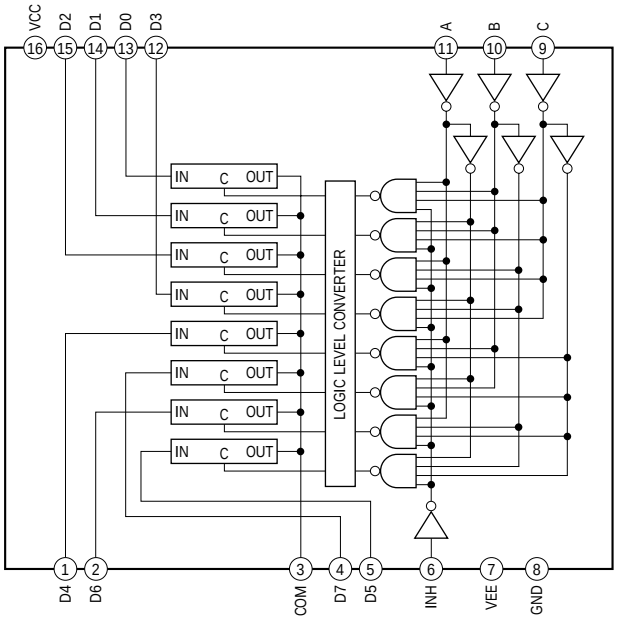


– Placa EFFECTOR –

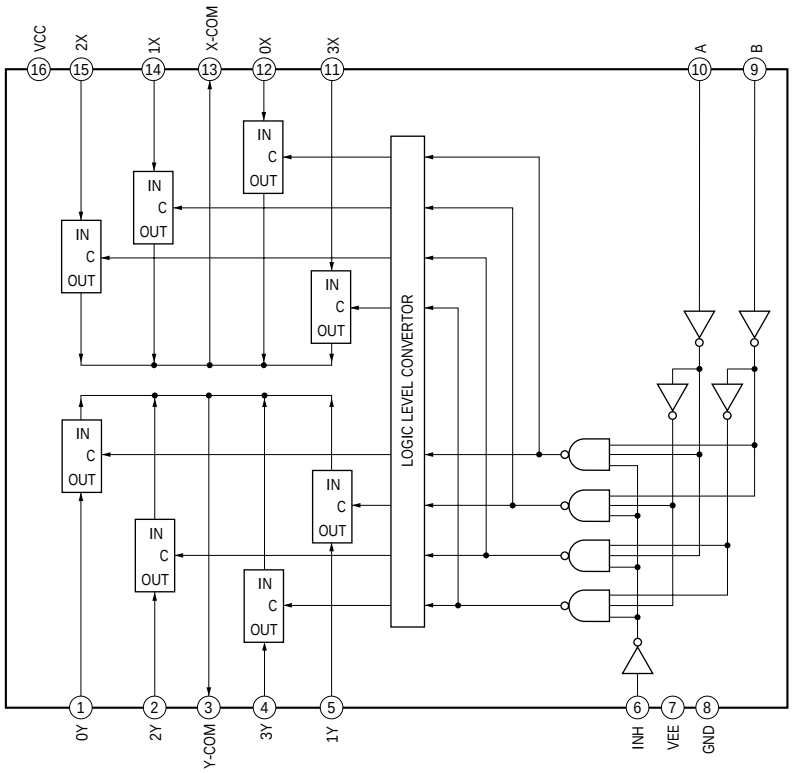
IC1501, 1504 M65850FP-E1



IC1502, 1503 TC74LVX4051FT

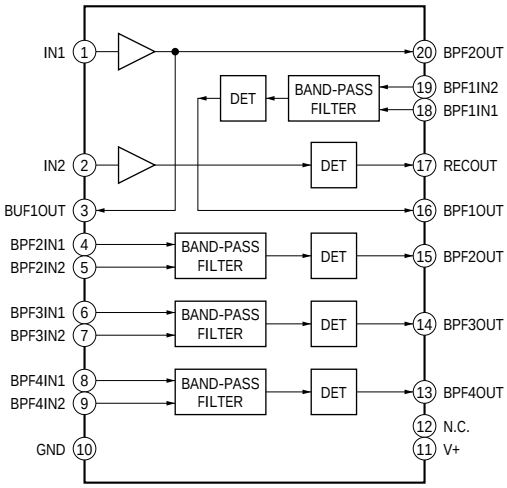


IC1506 TC74LVX4052FT



– Placa PAINEL –

IC904 NJM2760V-TE2



- **Descrição da função dos pinos do IC**

Placa DMB15 IC102 CXD9849R (RF AMP, SERVO DSP, MPEG DECODER)

Pin No.	Pin Name	I/O	Description
1	AGND	-	Ground terminal
2	DVDA	I	AC coupled input path A
3	DVDB	I	AC coupled input path B
4	DVDC	I	AC coupled input path C
5	DVDD	I	AC coupled input path D
6	DVDRFIP	I	AC coupled DVD RF signal input from the optical pick-up block
7	DVDRFIN	I	AC coupled DVD RF signal input terminal Not used
8	MA	I	DC coupled main-beam RF signal input A
9	MB	I	DC coupled main-beam RF signal input B
10	MC	I	DC coupled main-beam RF signal input C
11	MD	I	DC coupled main-beam RF signal input D
12	SA	I	DC coupled sub-beam RF signal input A Not used
13	SB	I	DC coupled sub-beam RF signal input B Not used
14	SC	I	DC coupled sub-beam RF signal input C Not used
15	SD	I	DC coupled sub-beam RF signal input D Not used
16	CDFON	I	CD focusing error negative input terminal Not used
17	CDFOP	I	CD focusing error positive input terminal Not used
18	TNI	I	3 beam satellite PD signal negative input from the optical pick-up block
19	TPI	I	3 beam satellite PD signal positive input from the optical pick-up block
20, 21	MDI1, MDI2	I	Laser power monitor input from the optical pick-up block
22	LDO2	O	Laser diode drive signal output to the optical pick-up block (for DVD)
23	LDO1	O	Laser diode drive signal output to the optical pick-up block (for CD)
24	SVDD3	-	Power supply terminal (+3.3V)
25	CSO	O	Central servo signal output terminal Not used
26	RFLVL	O	RFRP low pass output terminal Not used
27	SGND	-	Ground terminal
28	V2REFO	O	Reference voltage (+2.8V) output terminal Not used
29	V2O	O	Reference voltage (+2V) output to the optical pick-up block
30	VREFO	O	Reference voltage (+1.4V) output terminal
31	FEO	O	Focus error monitor output terminal Not used
32	TEO	O	Tracking error monitor output terminal Not used
33	TEZISLV	O	Slice level of tracking error signal output terminal Not used
34	OPOUT	O	Output from the internal operational amplifier Not used
35, 36	OPIN	I	Input to the internal operational amplifier Not used
37	DMO	O	Spindle motor control signal output to the motor driver
38	FMO	O	Sled motor control signal output to the motor driver
39	TROPENPWM	O	Loading motor control signal output terminal Not used
40	IOPMON	I	Power monitor terminal
41	TRO	O	Tracking coil control signal output to the coil driver
42	FOO	O	Focus coil control signal output to the coil driver
43	DVSS	-	Ground terminal
44, 45	NC	-	Not used
46	DVDD3	-	Power supply terminal (+3.3V)
47	SPFG	I	Spindle motor hall sensor input from the motor driver
48	DSEL	O	Interlace/progressive selection signal output terminal Not used

Pin No.	Pin Name	I/O	Description
49	WIDE	O	Normal/squeeze selection signal output to the video amplifier "L": normal, "H": squeeze
50	MSW	O	CD/DVD selection signal output terminal "L": CD, "H": DVD
51	MAMUTE	-	Muting control signal output terminal Not used
52	DVDD18	-	Power supply terminal (+1.8V)
53 to 61	IOA2 to IOA8, IOA18, IOA19	O	Address signal output to the flash ROM
62	DVSS	-	Ground terminal
63	APLLCAP	-	Connection terminal for an external capacitor
64	APLLVSS	-	Ground terminal
65	VDD3	-	Power supply terminal (+3.3V)
66	IOWR	O	Write enable signal output to the flash ROM
67 to 72	IOA16 to IOA11	O	Address signal output to the flash ROM
73	DVDD3	-	Power supply terminal (+3.3V)
74 to 76	IOA10, IOA9, IOA20	O	Address signal output to the flash ROM
77	IOCS	O	Chip select signal output to the flash ROM
78	IOA1	O	Address signal output to the flash ROM
79	IOOE	O	Output enable signal output to the flash ROM
80	DVDD3	-	Power supply terminal (+3.3V)
81 to 84	AD0 to AD3	I/O	Data/address signal input/output terminal with the flash ROM
85	DVSS	-	Ground terminal
86 to 88	AD4 to AD6	I/O	Data/address signal input/output terminal with the flash ROM
89	IOA21	O	Address signal output to the flash ROM
90	ALE	O	Address latch enable signal output terminal Not used
91	AD7	I/O	Data/address signal input/output terminal with the flash ROM
92, 93	IOA17, IOA0	O	Address signal output to the flash ROM
94	DVSS	-	Ground terminal
95	UWR	O	Write enable signal output terminal Not used
96	URD	O	Data read enable signal output terminal Not used
97	DVDD18	-	Power supply terminal (+1.8V)
98	IFSDO	O	Serial data output to the master controller
99	IFCK	O	Serial data transfer clock signal output to the master controller
100	XIFCS	O	Chip select signal output to the master controller
101	IFSDI	I	Serial data input from the master controller
102	SCL	O	Serial data transfer clock signal output to the EEPROM and D/A converter
103	SDA	I/O	Two-way data bus with the EEPROM and D/A converter
104	TRG-SW	I	Trigger detection switch input terminal Not used
105	IFBSY	I	Busy signal input from the master controller
106	RXD	I	Receive data input terminal for UART communication when data writing to flash memory
107	TXD	O	Transmit data output terminal for UART communication when data writing to flash memory
108	DVDD3	-	Power supply terminal (+3.3V)
109	ICE	I	ICE mode enable signal input terminal Not used
110	PRST	I	Reset signal input from the master controller "L": reset
111	IR	I	IR control signal input terminal Not used
112	INT0	O	Interrupt request signal output terminal Not used
113	DQM0	O	Data mask signal output to the SD-RAM
114	MREQ	O	Muting request signal output terminal Not used

Pin No.	Pin Name	I/O	Description
115	RD7	I/O	Two-way data bus with the SD-RAM
116	DVSS	-	Ground terminal
117, 118	RD6, RD5	I/O	Two-way data bus with the SD-RAM
119	DVSS	-	Ground terminal
120, 121	RD4, RD3	I/O	Two-way data bus with the SD-RAM
122	DVDD18	-	Power supply terminal (+1.8V)
123 to 126	RD2 to RD0, RD15	I/O	Two-way data bus with the SD-RAM
127	DVDD3	-	Power supply terminal (+3.3V)
128 to 133	RD14 to RD9	I/O	Two-way data bus with the SD-RAM
134	DVSS	-	Ground terminal
135	RD8	I/O	Two-way data bus with the SD-RAM
136	GPIO	-	Not used
137	DQM1	O	Data mask signal output to the SD-RAM
138	RWE	O	Write enable signal output to the SD-RAM
139	CAS	O	Column address strobe signal output to the SD-RAM
140	RAS	O	Row address strobe signal output to the SD-RAM
141	DVDD3	-	Power supply terminal (+3.3V)
142	RCS	O	Chip select signal output to the SD-RAM
143	BA0	O	Bank address signal output to the SD-RAM
144	DVSS	-	Ground terminal
145	BA1	O	Bank address signal output to the SD-RAM
146, 147	RA10, RA0	O	Address signal output to the SD-RAM
148	DVSS	-	Ground terminal
149 to 151	RA1 to RA3	O	Address signal output to the SD-RAM
152	DVDD18	-	Power supply terminal (+1.8V)
153, 154	NC	-	Not used
155	DVDD3	-	Power supply terminal (+3.3V)
156	RCLK	O	Serial data transfer clock signal output to the SD-RAM
157	CKE	O	Clock enable signal output to the SD-RAM
158 to 160	RA11, RA9, RA8	O	Address signal output to the SD-RAM
161	DVSS	-	Ground terminal
162	RA7	O	Address signal output to the SD-RAM
163	DVSS	-	Ground terminal
164 to 166	RA6 to RA4	O	Address signal output to the SD-RAM
167	DVDD3	-	Power supply terminal (+3.3V)
168	DISC/X	-	Not used
169	RGB	-	Not used
170	TSD_M	O	Thermal shut down signal output to the motor/coil driver
171, 172	NC	-	Not used
173	DVDD18	-	Power supply terminal (+1.8V)
174	FWD	O	Loading motor drive signal output terminal (forward direction) Not used
175	NC	-	Not used
176	LIMSW	I	Limit detection switch input terminal
177	OCSW	I	Disc table open/close detection switch input terminal Not used
178	REV	O	Loading motor drive signal output terminal (reverse direction) Not used
179	CKSW	I	Chucking detection switch input terminal Not used
180, 181	NC	-	Not used

Pin No.	Pin Name	I/O	Description
182	DVDD3	-	Power supply terminal (+3.3V)
183 to 188	NC	-	Not used
189	DAVCC	-	Power supply terminal (+3.3V)
190	VREF	-	For bandgap reference voltage terminal
191	FS	-	Full scale adjustment terminal
192	YUV0	O	Video data output terminal Not used
193	DAVSS	-	Ground terminal
194	YUV1	O	Y signal output to the video amplifier
195	DAVDD	-	Power supply terminal (+3.3V)
196	YUV2	O	Chroma signal output to the video amplifier
197	DAVSS	-	Ground terminal
198	YUV3	O	Video signal output to the video amplifier
199	DAVDD	-	Power supply terminal (+3.3V)
200	YUV4	O	Chroma signal output to the video amplifier
201	DAVSS	-	Ground terminal
202, 203	YUV5, YUV6	O	Component video signal output to the video amplifier
204	DVDD3	-	Power supply terminal (+3.3V)
205	MIC	I	Microphone detection signal input from the master controller "H": microphone in
206	VOICE	I	Voice signal input terminal
207	KRMOD	O	Karaoke mode selection signal output to the master controller "H": karaoke mode
208	SMSCK	I	Score signal input terminal
209	SPDATA	I	SPDIF digital audio data input from the A/D converter
210	MUTE	O	Muting signal output to the motor/coil driver
211	MUTE123	O	Muting signal output to the motor/coil driver
212	DVDD3	-	Power supply terminal (+3.3V)
213	ALRCK	O	L/R sampling clock signal output to the D/A converter and A/D converter
214	ABCK	O	Bit clock signal output to the D/A converter and A/D converter
215	ACLK	O	Master clock signal output to the D/A converter and A/D converter
216	DVSS	-	Ground terminal
217 to 219	ASDATA0 to ASDATA2	O	Audio serial data output to the D/A converter
220	XRST	O	Reset signal output to the D/A converter "L": reset
221	DVDD18	-	Power supply terminal (+1.8V)
222	ASDATA4	O	Audio serial data output to the D/A converter
223	DVSS	-	Ground terminal
224	DWIDE	-	Not used
225	SPDIF	O	SPDIF digital audio signal output terminal Not used
226	RFGND18	-	Ground terminal
227	RFVDD18	-	Power supply terminal (+1.8V)
228	XTALO	O	System clock output terminal (27 MHz)
229	XTALI	I	System clock input terminal (27 MHz)
230	JITFO	O	Output terminal of the RF jitter meter
231	JITFN	I	Input terminal of the RF jitter meter
232	PLLVSS	-	Ground terminal
233	IDAC	-	Not used
234	PLLVDD3	-	Power supply terminal (+3.3V)
235	LPFON	O	Data PLL loop filter output terminal
236	LPFIP	I	Data PLL loop filter input terminal

Pin No.	Pin Name	I/O	Description
237	LPFIN	I	Data PLL loop filter input terminal
238	LPFOP	O	Data PLL loop filter output terminal
239	VDD3	-	Power supply terminal (+3.3V)
240	NC	-	Not used
241	VSS	-	Ground terminal
242, 243	NC	-	Not used
244	RFVDD3	-	Power supply terminal (+3.3V)
245	RFRPDC	O	RF ripple detect output terminal
246	RFRPAC	I	RF ripple detect input terminal
247	HRFZC	I	High frequency RF ripple zero crossing terminal
248	CRTPLP	O	Defect level filter capacitor connecting terminal
249	RFGND	-	Ground terminal
250, 251	NC	-	Not used
252	OSP	O	RF offset cancellation capacitor connecting terminal
253	OSN	O	RF offset cancellation capacitor connecting terminal
254	RFGC	O	RF AGC loop capacitor connecting for DVD-ROM
255	IREF	I	Reference current input terminal
256	AVDD3	-	Power supply terminal (+3.3V)

Placa MAIN IC401 M30622MEP-A78FPU0 (MASTER CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	TUNED	I	Tuning detection signal input from the tuner (FM/AM) "L": tuned
2	ST-DOUT	O	PLL serial data output to the tuner (FM/AM)
3	ST-CLK	O	PLL serial data transfer clock signal output to the tuner (FM/AM)
4	SIRCS	I	Remote control signal input from the remote control receiver
5	ST-DIN	I	PLL serial data input from the tuner (FM/AM)
6	ST-CE	O	PLL serial chip enable signal output to the tuner (FM/AM)
7	STBY-RELAY	O	Relay drive signal output for the main power "H": power on
8	BYTE	I	External data bus width selection signal input terminal Fixed at "L" in this set
9	CNVSS	I	Processor mode switch input terminal (for test)
10	XC-IN	I	Sub system clock input terminal (32.768 kHz)
11	XC-OUT	O	Sub system clock output terminal (32.768 kHz)
12	RESET	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it change to "H"
13	X-OUT	O	Main system clock output terminal (5 MHz)
14	VSS	-	Ground terminal
15	X-IN	I	Main system clock input terminal (5 MHz)
16	VCC	-	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal Fixed at "H" in this set
18	EFFECTOR-SELECT	O	Effector on/off control signal output to the signal selector "H": effector on
19	EFFECTOR-S0	O	Effector circuit delay time selection signal output to the multiplexer
20	AC-CUT	I	AC cut on/off detection signal input from the reset signal generator "L": AC cut on
21	MIC STATUS	O	Microphone detection signal output to the servo DSP "H": microphone in
22	MTK-KMOD	I	Karaoke mode selection signal input from the servo DSP "H": karaoke mode
23	MTK-IFBSY	O	Busy signal output to the servo DSP
24	MTK-XIFCS	I	Chip select signal input from the servo DSP
25	MTK-RESET	O	Reset signal output to the servo DSP "L": reset
26	EJECT SW	I	Disc table open/close detection signal input terminal "L": open, "H": close
27	TBL SENS	I	Disc table address sensor input terminal
28	E3	I	Disc table address detection signal input terminal
29	IIC-CLK	I/O	Two-way IIC clock bus with the display controller
30	IIC-DATA	I/O	Two-way I2C data bus with the display controller
31	MTK-SIO	O	Serial data output to the servo DSP
32	MTK-SOD	I	Serial data input from the servo DSP
33	MTK-CLK	I	Serial data transfer clock signal input from the servo DSP
34, 35	E2, E1	I	Disc table address detection signal input terminal
36	TM-F	O	Table motor drive signal output terminal (forward direction)
37	TM-R	O	Table motor drive signal output terminal (reverse direction)
38	LM-F	O	Loading motor drive signal output terminal (forward direction)
39	LM-R	O	Loading motor drive signal output terminal (reverse direction)
40	GC-RESET	O	Reset signal output to the display controller "L": reset
41	STBY-LED	O	LED drive signal output terminal "L": red LED on (standby mode),"H": green LED on (power on mode)
42	FAN CONTROL	O	Fan motor on/off control signal output terminal "L": motor on
43 to 45	EFFECTOR-S1 to EFFECTOR-S3	O	Effector circuit delay time selection signal output to the multiplexer

Pin No.	Pin Name	I/O	Description
46	ANALOG-IN-MUTE	O	Analog signal muting on/off control signal output terminal "H": muting on
47	A-HALF	I	Deck-A cassette detection signal input from the tape mechanism deck block "L": cassette in
48	A-TRIG	O	Deck-A side trigger plunger drive signal output terminal "H": plunger on
49	B-TRIG	O	Deck-B side trigger plunger drive signal output terminal "H": plunger on
50	CAPM	O	Capstan/reel motor drive signal output terminal "L": FWD/stop, "H": REV
51	SW-SPK RELAY	O	Relay drive signal output for the subwoofer (SS-WGV100D) "H": relay on (HCD-ZX100D only)
52	REC BIAS	O	Recording bias on/off control signal output terminal "H": bias on
53	TC-RELAY	O	Recording/playback selection signal output terminal "L": playback, "H": recording
54	REC MUTE	O	Recording muting on/off control signal output to the REC/PB EQ amplifier "L": muting on
55	PB A/B	O	DECK-A/B selection signal output to the REC/PB EQ amplifier "L": deck-B, "H": deck-A
56	ALC	O	Automatic limiter on/off control signal output to the REC/PB EQ amplifier "H": limiter on
57	EFFECTOR-CTR1	O	Effector mode control signal output terminal "L": delay1, delay 2, effector off, "H": flanger 1, flanger 2, chorus 1, chorus 2
58	FAN HI SPEED	O	Fan motor speed control signal output terminal "L": hi speed
59	NO USE	-	Not used
60	STK-MUTE	O	System muting on/off control signal output terminal "L": muting on, "H": power amplifier on Muting on/off control signal output for subwoofer out "L": muting on (HCD-ZX80D only)
61	REAR-RELAY	O	Relay drive signal output for the surround (rear) speaker "H": relay on
62	VCC	-	Power supply terminal (+3.3V)
63	EFFECTOR-CTR2	O	Effector mode control signal output terminal "L": delay 2, effector off, "H": flanger 1, flanger 2, chorus 1, chorus 2, delay1
64	VSS	-	Ground terminal
65	CTR-RELAY	O	Relay drive signal output for the center speaker "H": relay on
66	FR-RELAY	O	Relay drive signal output for the front speaker "H": relay on
67	PROTECT	I	Speaker protect detection signal input terminal "L": protect on
68	OVER VOLTAGE	I	Over voltage detection signal input terminal "H": over voltage is detected (Except Mexican model only)
69	UNDER VOLTAGE	I	Under voltage detection signal input terminal "L": under voltage is detected (Except Mexican model only)
70	EFFECTOR-CTR3	O	Effector mode control signal output terminal "L": chorus 1, chorus 2, effector off, "H": flanger 1, flanger 2, delay1, delay 2
71	TC-MUTE	O	Playback muting on/off control signal output terminal "H": muting on
72	HP-MUTE	O	Headphone muting on/off control signal output terminal "H": muting on
73	DISPLAY-KEY	I	DISPLAY key input terminal (interrupt input)
74	POWER-KEY	I	POWER key input terminal (interrupt input)
75	SW-MUTE	O	Muting on/off control signal output for subwoofer out "L": muting on (HCD-ZX80D only)
76	LINE-MUTE	O	Line muting on/off control signal output terminal "H": muting on
77	DVD-A-MUTE	O	CD/DVD analog signal muting on/off control signal output terminal "H": muting on
78	MTK-POWER	O	Power on/off control signal output for the CD/DVD sections "H": power on
79	AUDIO-IC-DATA	O	Serial data output to the audio control
80	AUDIO-IC-CLK	O	Serial data transfer clock signal output to the audio control
81	VOL-IC-DATA	O	Serial data output to the electrical volume
82	VOL-IC-CLK	O	Serial data transfer clock signal output to the electrical volume
83	AUDIO-OUT-SW	O	Audio out muting on/off control signal output terminal "H": muting on
84	HP-DETECT	I	Headphone detection signal input terminal "H": headphone in
85	MIC-DETECT	I	Microphone detection signal input terminal "H": microphone in

Pin No.	Pin Name	I/O	Description
86	NO USE	-	Not used
87	VIDEO-OUT-SW	O	Composite video out selection signal output to the video switch "L": DVD video output, "H": video input output
88	VMUTE	O	Video muting on/off control signal output to the video amplifier "L": muting on
89	A-SHUT	I	Deck-B tape reel rotating detection signal input from the tape mechanism deck block
90	B-SHUT	I	Deck-A tape reel rotating detection signal input from the tape mechanism deck block
91	B-HALF	I	Deck-B cassette detection signal, recording-proof (forward direction) detection signal and recording-proof (reverse direction) detection signal input from the tape mechanism deck block (A/D input) "L": cassette in and recording possible
92	MODEL-IN	I	Model setting input terminal (A/D input)
93	DEST-IN	I	Destination setting input terminal (A/D input)
94	THERMAL VACS	I	Thermal VACS detection signal input from thermal sensor (A/D input)
95	SW-LEVEL-IN	I	Subwoofer volume level detection signal input from the SS-WGV100D (HCD-ZX100D only)
96	AVSS	-	Ground terminal (for A/D conversion)
97	NO USE	-	Not used
98	VREF	I	Reference voltage (+3.3V) input terminal (for A/D converter)
99	AVCC	-	Power supply terminal (+3.3V) (for A/D conversion)
100	SW-LED	O	LED drive signal output to the SS-WGV100D for subwoofer on indicator "H": LED on (HCD-ZX100D only)

Placa PAiNEL IC902 MB90M407PF-G-149E1 (DISPLAY CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 8	G8 to G1	O	Grid drive signal output to the fluorescent indicator tube
9, 10	P1, P2	O	Segment drive signal output to the fluorescent indicator tube
11	VSS-IO	-	Ground terminal (for I/O port)
12 to 22	P3 to P13	O	Segment drive signal output to the fluorescent indicator tube
23	VDD-FIP	-	Power supply terminal (+3.3V) (for fluorescent indicator tube)
24 to 41	P14 to P31	O	Segment drive signal output to the fluorescent indicator tube
42	VSS-IO	-	Ground terminal (for I/O port)
43 to 47	P32 to P36	O	Segment drive signal output to the fluorescent indicator tube
48	VKK	-	Power supply terminal (-36V) (for fluorescent indicator tube)
49, 50	MD0, MD1	I	Setting terminal for the CPU operation mode Fixed at "H" in this set
51	MD2	I	Setting terminal for the CPU operation mode Fixed at "L" in this set
52	LED-CD/DVD, TUNER	O	LED drive signal output for the DVD and TUNER/BAND indicator "H": LED on
53	LED-TAPE, TV/SAT	O	LED drive signal output for the TAPE A/B and TV/SAT indicator "H": LED on
54	LED-VIDEO, (PAUSE, STOP)	O	LED drive signal output for the VIDEO, pause and stop indicator "H": LED on
55	LED- (AMS+, AMS-), (FF, FR)	O	LED drive signal output for the AMS+, AMS-, FF and FR indicator "H": LED on
56	LED-VOLUME 1, 2	O	LED drive signal output for the volume level 1 and 2 indicator "H": LED on
57	LED-VOLUME 3, 4	O	LED drive signal output for the volume level 3 and 4 indicator "H": LED on
58	LED-VOLUME 5, 6	O	LED drive signal output for the volume level 5 and 6 indicator "H": LED on
59	LED-VOLUME 7, 8	O	LED drive signal output for the volume level 7 and 8 indicator "H": LED on
60	I2C-DATA	I/O	Two-way I2C data bus with the master controller
61	I2C-CLOCK	I/O	Two-way I2C clock bus with the master controller
62	AVCC	-	Power supply terminal (+3.3V) (for A/D converter)
63	AVSS	-	Ground terminal (for A/D converter)
64 to 66	KEY 0 to KEY 2	I	Front and top panel key input terminal (A/D input)
67	ALL-BAND	I	Spectrum analyzer drive signal input from the band-pass filter
68	BF4	I	Spectrum analyzer drive signal input from the band-pass filter (for 80 Hz)
69	BF3	I	Spectrum analyzer drive signal input from the band-pass filter (for 300 Hz)
70	BF2	I	Spectrum analyzer drive signal input from the band-pass filter (for 1.2 kHz)
71	BF1	I	Spectrum analyzer drive signal input from the band-pass filter (for 8 kHz)
72	OPERATION DIAL	I	Jog dial pulse input from the rotary encoder (OPERATION DIAL)
73	JOG-X-ROUND	I	Jog dial pulse input from the rotary encoder (X-ROUND JOG)
74	VOLUME	I	Jog dial pulse input from the rotary encoder (MASTER VOLUME)
75	LED- (BEAT JUMP, BEAT MAX)	O	LED drive signal output for the BEAT JUMP and BEAT MAX indicator "H": LED on
76	LED- (BALANCE, WAVE, FADER, RANDOM), DELAY	O	LED drive signal output for the BALANCE, WAVE, FADER, RANDOM and DELAY indicator "H": LED on
77	RESET	I	Reset signal input from the master controller "L": reset
78	LED-FLANGER, CHORUS	O	LED drive signal output for the FLANGER and CHORUS indicator "H": LED on
79	LED-PLAY	O	LED drive signal output for the play indicator "H": LED on
80	LED SELECTOR	O	LED selection signal output terminal

Pin No.	Pin Name	I/O	Description
81	VSS-CPU	-	Ground terminal (for CPU)
82	XOUT	O	System clock output terminal (4 MHz)
83	XIN	I	System clock input terminal (4 MHz)
84	VCC-CPU	-	Power supply terminal (+3.3V) (for CPU)
85 to 100	G24 to G9	O	Grid drive signal output to the fluorescent indicator tube

SEÇÃO 8
VISTA EXPLODIDA

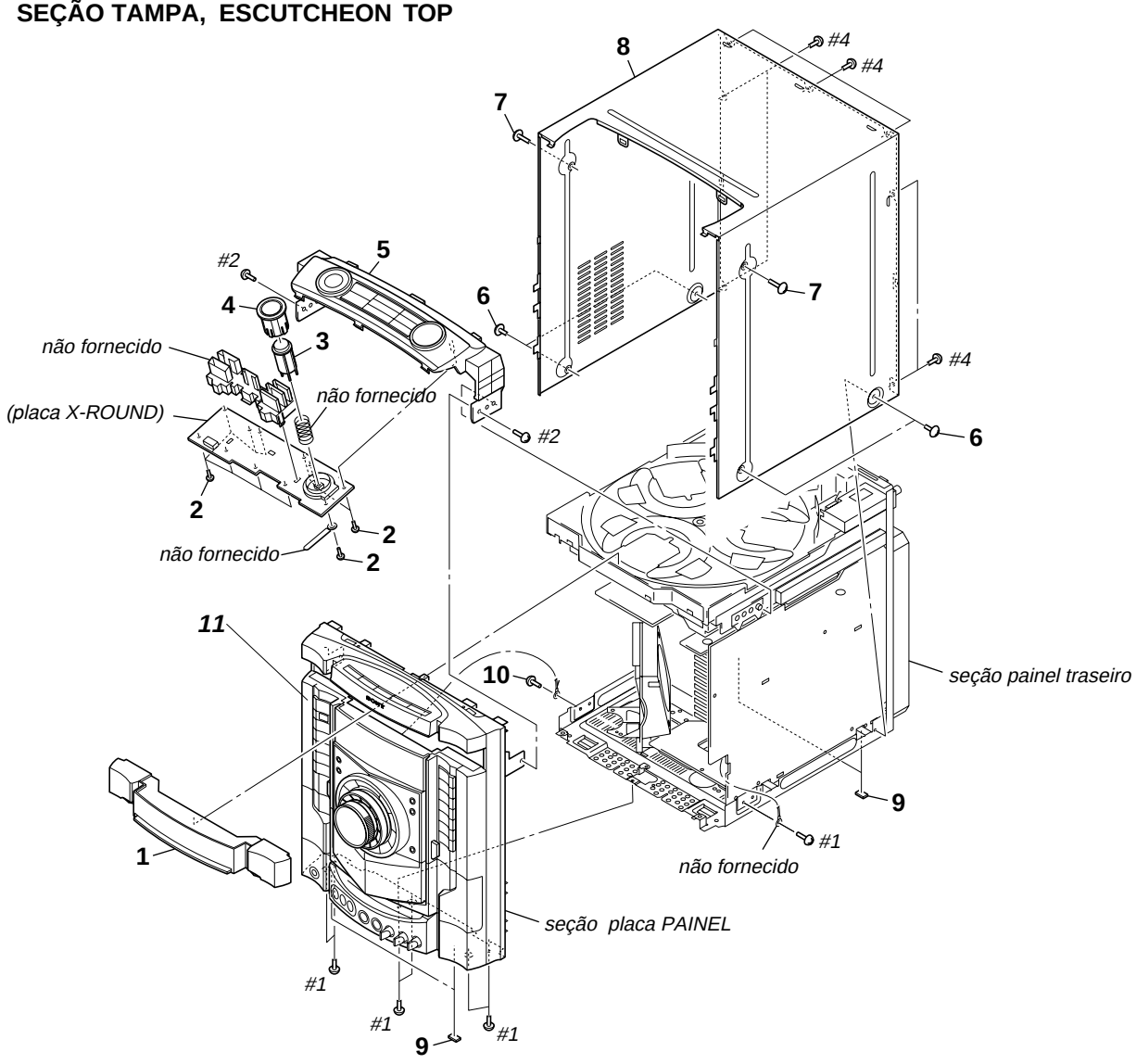
NOTA:

- -XX e -X significam peças padronizadas, então podem haver diferenças em relação a peça original.
- Itens marcados por "*" não possuem estoque para venda. Para evitar atrasos antecipe o pedido destes itens.
- Peças mecanicas não identificadas na vista explodida não são fornecidas.

Componentes identificados por ⚠ ou impresso com a marca ⚠ são criticos para a segurança Substitua os apenas pela peça original especificada.

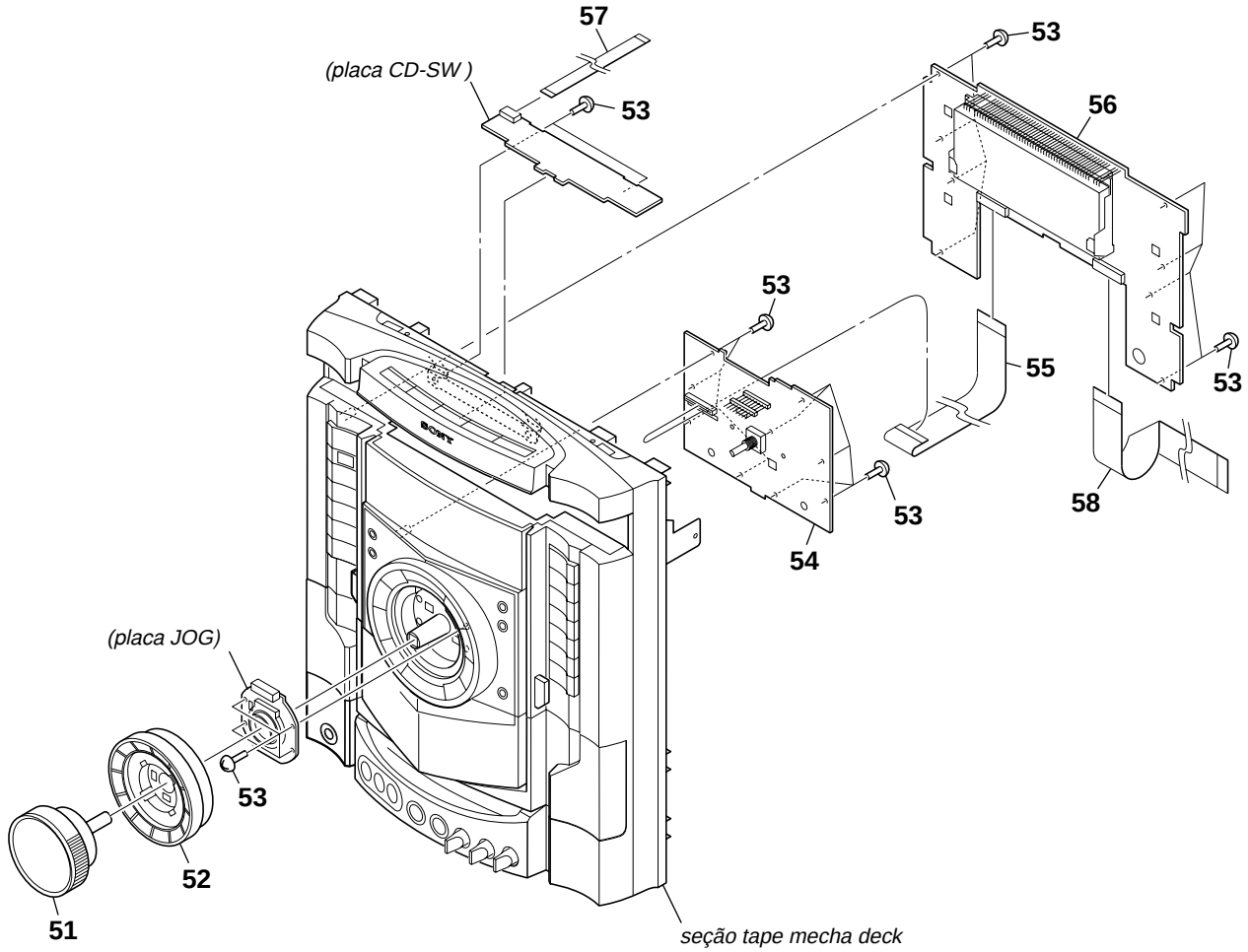
• Para substituição da placa montada consulte o Suporte Técnico.

8-1. SEÇÃO TAMPA, ESCUTCHEON TOP



Ref. No.	Part No.	Description	Remark
1	2-655-708-51	PAINEL, DE CARREGAMENTO	
2	3-087-053-01	+BVTP2.6 (3CR)	
3	2-662-067-01	KNOB (SPEAKER) (SPEAKERS/X-ROUND OFF)	
4	2-662-065-01	JOG (X-ROUND)	
5	X-2108-715-1	ESCUTCHEON TOP MONTADO	
6	3-363-099-02	PARAFUSO (CASE 3 TP2)	
7	3-363-099-32	PARAFUSO (CASE 3 TP2)	
8	2-342-137-22	TAMPA	
9	4-225-252-21	CALÇO (PÉ)	
10	3-077-331-01	+BV3 (3-CR)	
11	*Y-8285-503-A*	*PAINEL FRONTAL MONTADO*	
#1	7-685-646-79	PARAFUSO +BVTP 3X8 TYPE2 IT-3	
#2	7-685-648-79	PARAFUSO +BVTP 3X12 TYPE2 IT-3	
#4	7-685-647-79	PARAFUSO +BVTP 3X10 TYPE2 IT-3	

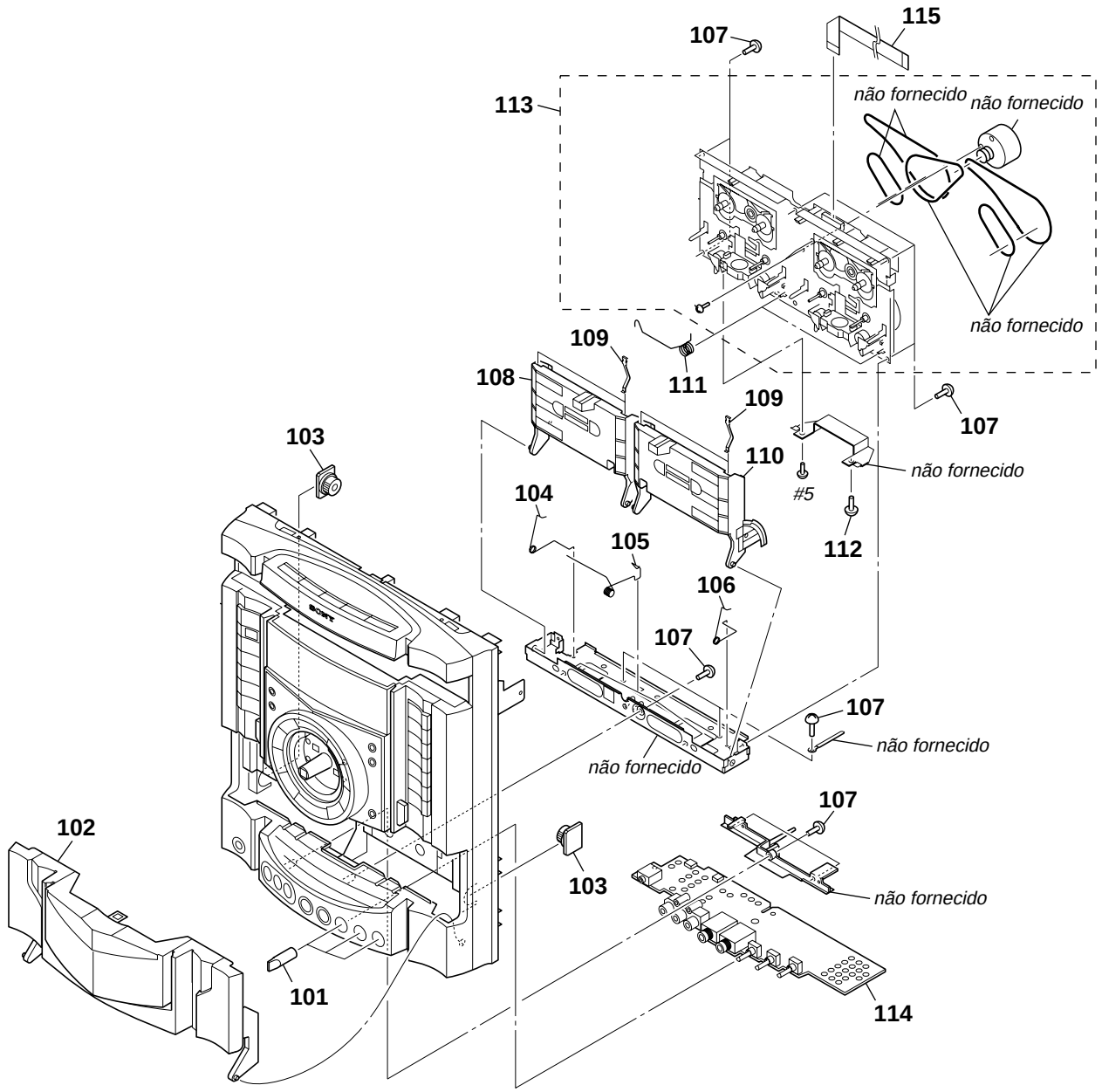
8-2. SEÇÃO PLACA PAINEL



Ref. No.	Part No.	Description	Remark
51	2-662-072-01	BOTÃO VOLUME	
52	2-662-070-01	bOTÃO JOG	
53	3-087-053-01	+BVTP2.6 (3CR)	
54		PLACA FUNCTION, MONTADA	
55	1-828-991-11	CABO (TIPO FLAT) (17 VIAS)	

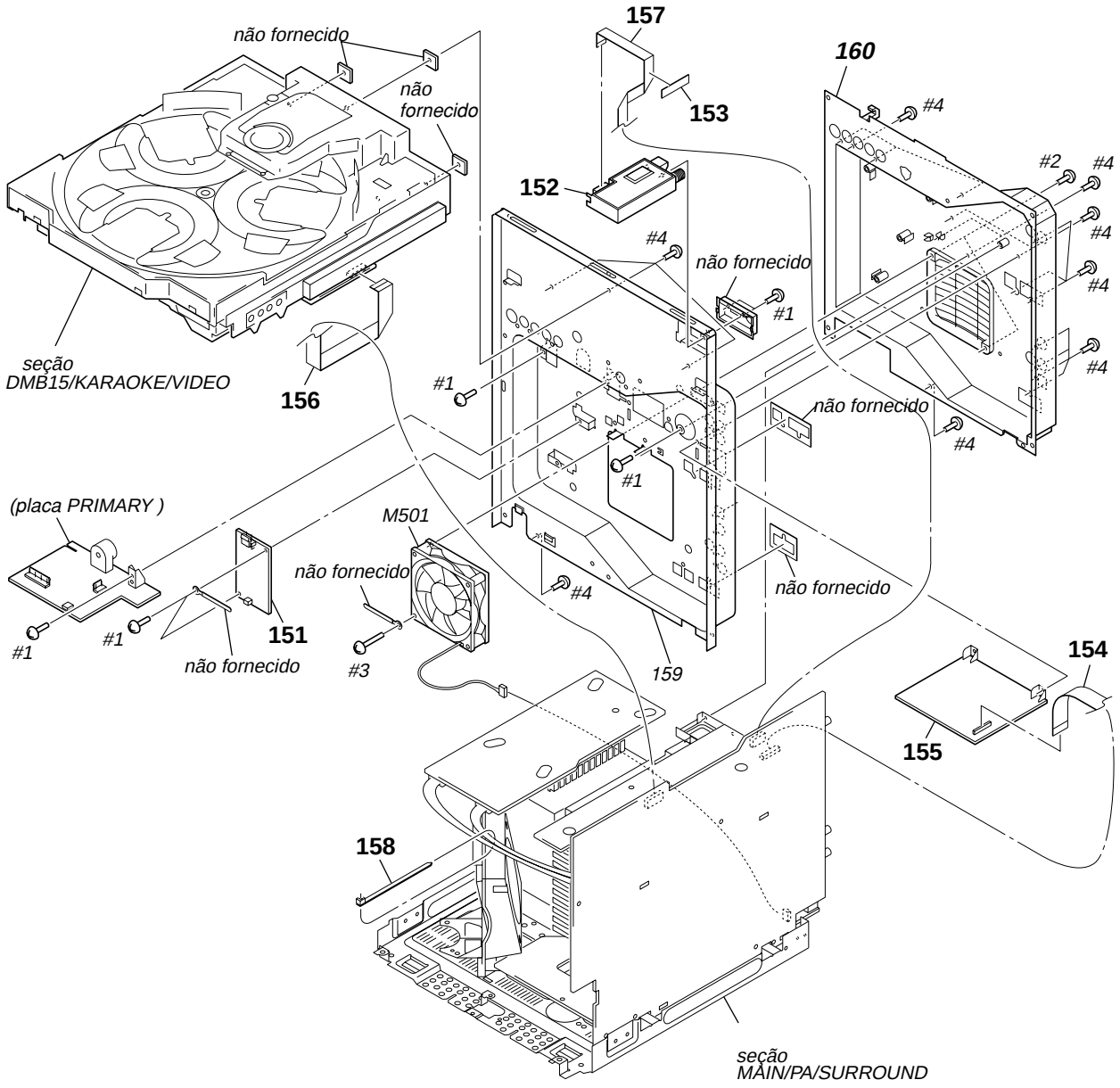
Ref. No.	Part No.	Description	Remark
56		PLACA PAINEL , MONTADA	
57	1-921-115-42	CABO (TIPO FLAT) (7 VIAS)	
58	1-921-098-11	CABO (TIPO FLAT) (17 VIAS)	

8-3. SEÇÃO TAPE MECHA DECK



Ref. No.	Part No.	Description	Remark
101	4-224-578-31	BOTÃO (MIC)	
102	2-655-724-21	TAMPA CASSETE (TC)	
103	4-224-104-11	AMORTECEDOR	
104	2-655-733-01	MOLA (L)	
105	2-655-732-01	MOLA (LID)	
106	2-655-734-01	MOLA (R)	
107	3-087-053-01	+BVTP2.6 (3CR)	
108	4-252-578-11	COMPARATIMENTO TC-L	
109	4-959-229-11	DETENTOR, CASSETE	
110	4-252-579-11	COMPARATIMENTO TC-R	
111	4-244-092-01	MOLA (EJECT)	
112	3-077-331-21	+BV3 (3-CR)	
113	1-417-658-11	MECANIASMO DA FITA (CWN42RR603)	
114		PLACA MIC BOARD MONTADA	
115	1-828-964-11	CABO (TIPO FLAT) (11 VIAS)	
#5	7-685-853-01	PARAFUSO +BVTP 2X6 (S)	

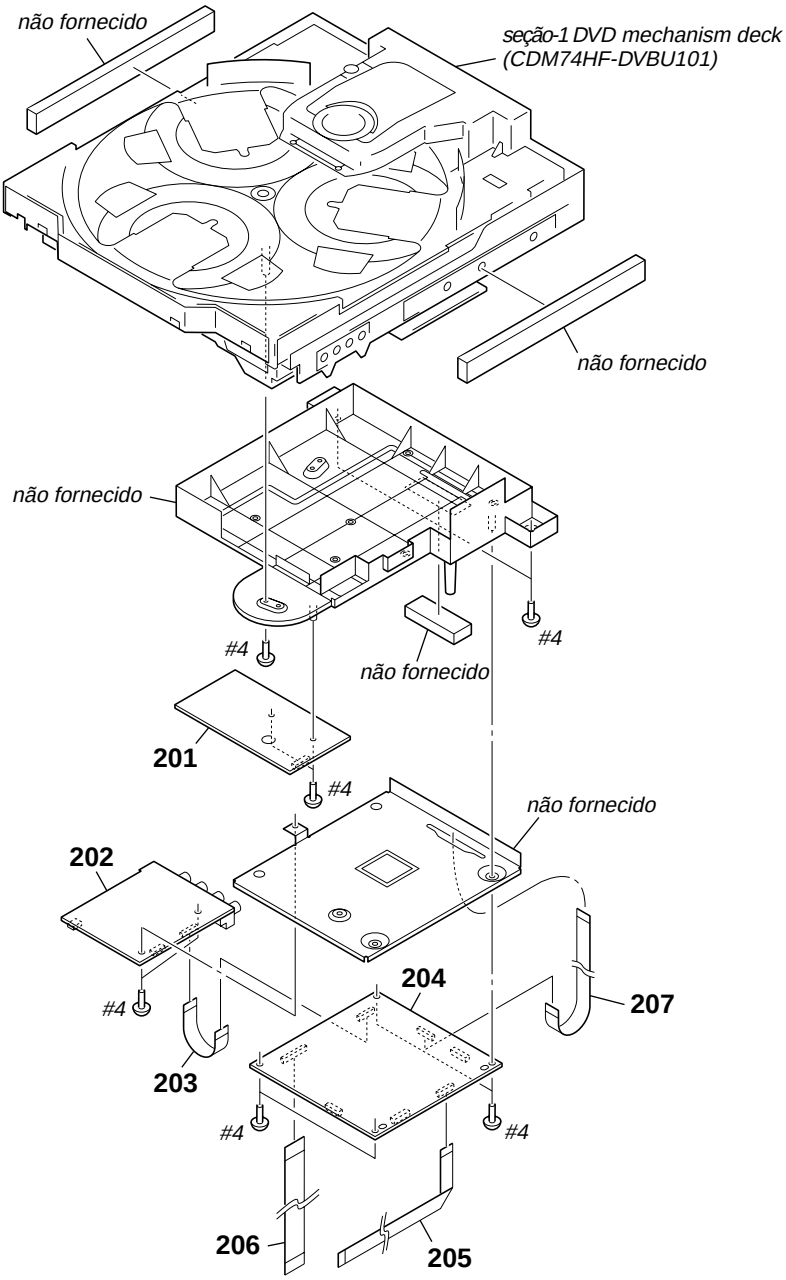
8-4. SEÇÃO PAINEL TRASEIRO



Ref. No.	Part No.	Description	Remark
⚠151	1-468-737-51	PLACA CHAVEAMENTO	
152	1-693-703-11	SINTONIZADOR (FM/AM) (TM10SE)	
153	3-378-109-12	CALÇO, SARANET	
154	1-828-358-11	CABO (TIPO FLAT) (19 VIAS)	
155		PLACA EFFECTOR, MONTADA	

Ref. No.	Part No.	Description	Remark
156	1-828-973-11	CABO (TIPO FLAT) (13 VIAS)	
157	1-921-098-31	CABO (TIPO FLAT) (9 VIAS)	
158	3-701-748-00	CLAMP	
159	2-342-130-02	TAMPA TRASEIRA	
160	2-672-141-41	TAMPA DO PAINEL TRASEIRO	
M501	1-763-372-12	VENTILADOR, DC	
#1	7-685-646-79	PARAFUSO +BVTP 3X8 TYPE2 IT-3	
#2	7-685-648-79	PARAFUSO +BVTP 3X12 TYPE2 IT-3	
#3	7-685-651-79	PARAFUSO +BVTP 3X20 TYPE2 N-S	
#4	7-685-647-79	PARAFUSO +BVTP 3X10 TYPE2 IT-3	

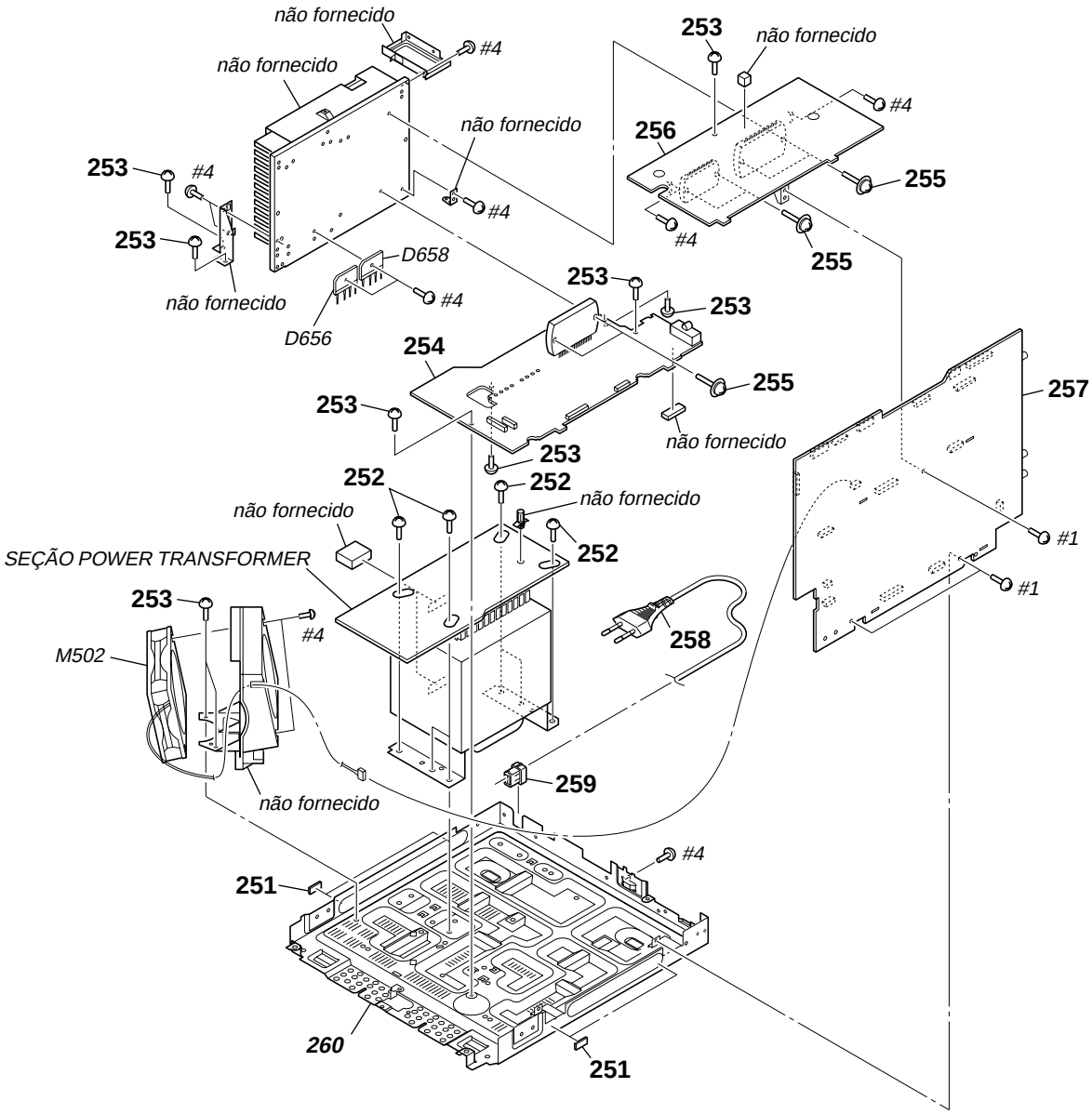
8-5. SEÇÃO PLACA DMB15/KARAOKE/VIDEO



Nota: Verifique as notas de serviço "NOTA SOBRE A TROCA DA PLACA DMB15" (pag 4),

Ref. No.	Part No.	Description	Remark
201		PLACA KARAOKE, MONTADA	
202		PLACA VIDEO, MONTADA	
203	1-828-326-11	CABO (TIPO FLAT) (13VIAS)	
204		PLACA DMB15, MONTADA	
205	1-828-332-11	CABO (TIPO FLAT) (13 VIAS)	
206	1-921-115-31	CABO (TIPO FLAT) (21VIAS)	
207	1-921-063-72	CABO (TIPO FLAT) (24 VIAS)	
#4	7-685-647-79	PARAFUSO +BVTP 3X10 TYPE2 IT-3	

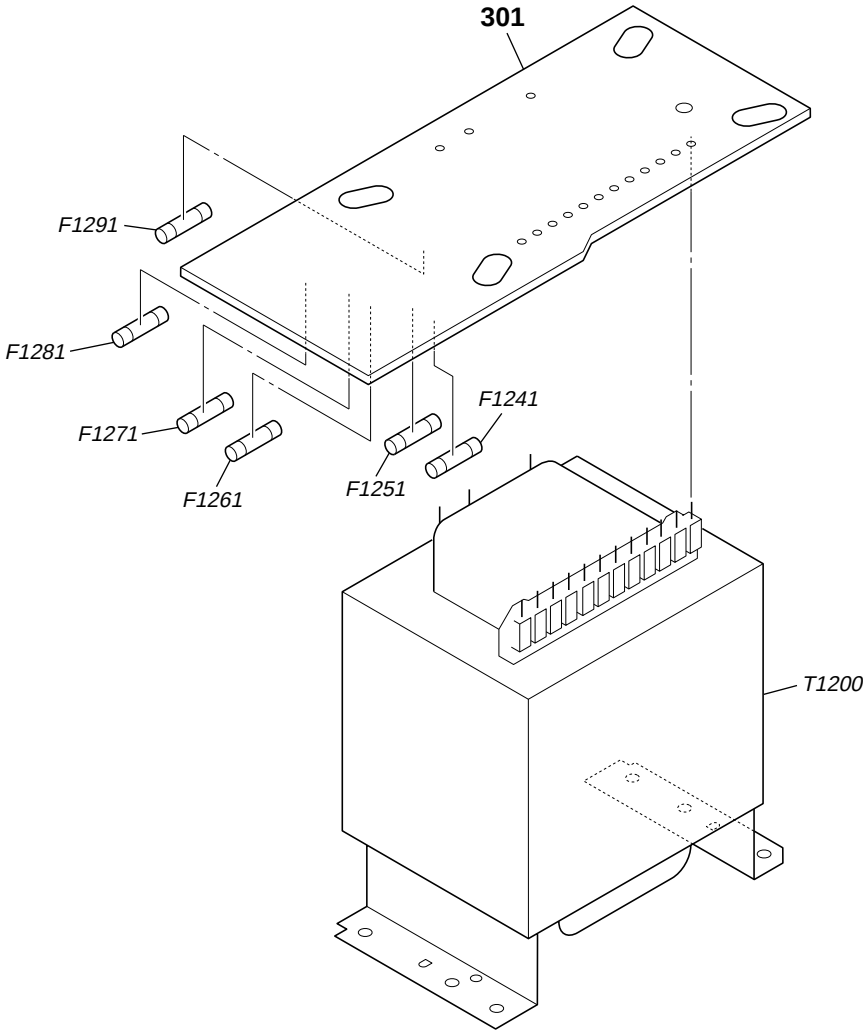
8-6. SEÇÃO PLACA MAIN/PA/SURROUND



Ref. No.	Part No.	Description	Remark
251	4-225-252-01	CALÇO (PÉ)	
252	4-900-386-01	PARAFUSO	
253	3-077-331-21	+BV3 (3-CR)	
254		PLACA PA , MONTADA	
255	3-905-609-32	PARAFUSO (TRANSISTOR)	
256		PLACA SURROUND, MONTADA	

Ref. No.	Part No.	Description	Remark
257		PLACA MAIN, MONTADA	
⚠258	1-928-185-04	CABO DE FORÇA	
* 259	3-004-269-01	PRENSA CABO	
260	4-252-593-31	CHASSI	
D656	8-719-073-32	DIODE D25XB60	
D658	8-719-066-42	DIODE RBV1306	
M502	1-763-372-11	VENTILADOR, DC	
#1	7-685-646-79	PARAFUSO +BVTP 3X8 TYPE2 IT-3	
#4	7-685-647-79	PARAFUSO +BVTP 3X10 TYPE2 IT-3	

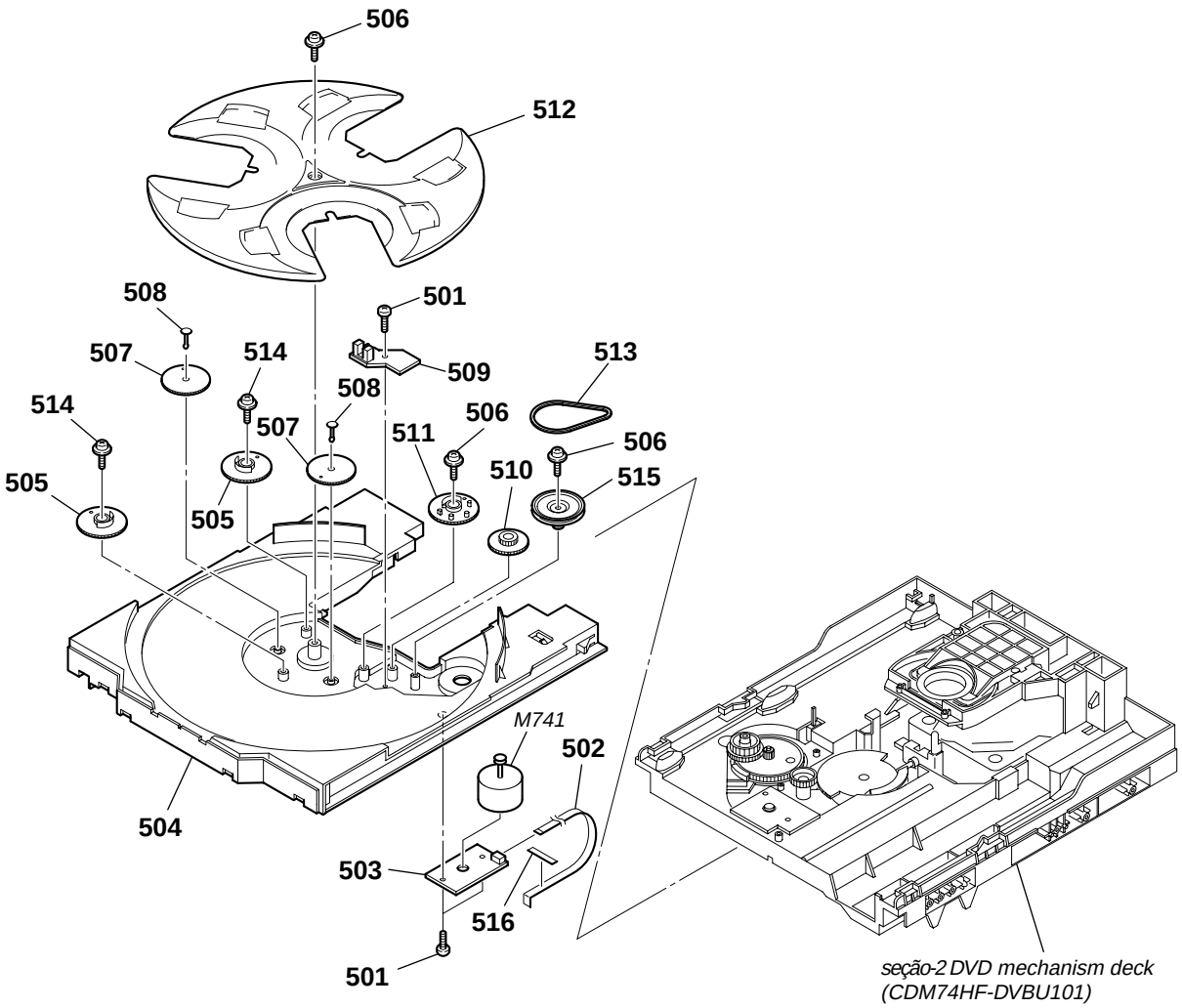
8-7. SEÇÃO TRANSFORMADOR DE FORÇA



Ref. No.	Part No.	Description	Remark
301		PLACA TRANSFORMADOR MONTADA	
⚠F1241	1-533-949-33	FUSIVEL (TIME LUG) (8A/250V)	
⚠F1251	1-533-949-33	FUSIVEL (TIME LUG) (8A/250V)	
⚠F1261	1-533-949-33	FUSIVEL (TIME LUG) (8A/250V)	

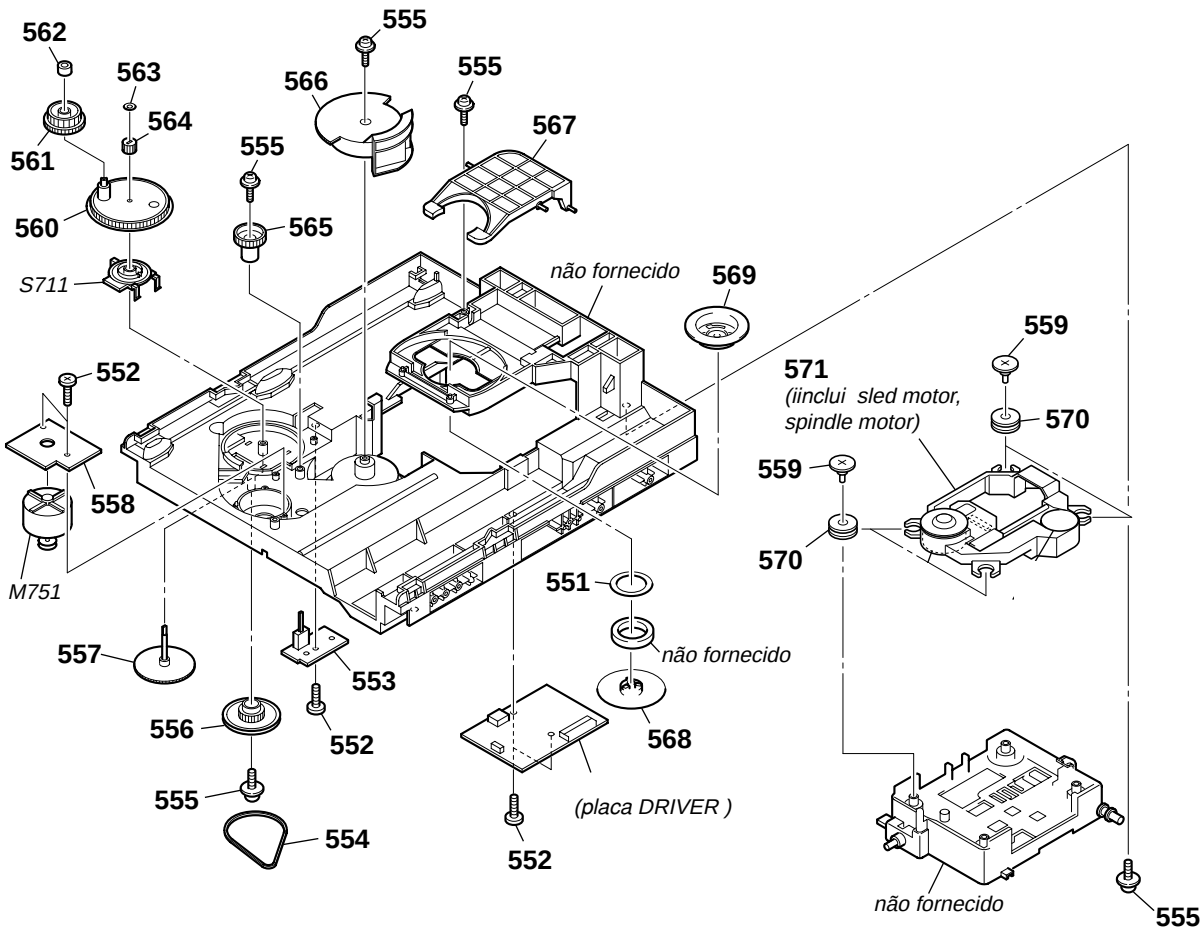
Ref. No.	Part No.	Description	Remark
⚠F1271	1-533-949-33	FUSIVEL (TIME LUG) (8A/250V)	
⚠F1281	1-532-465-33	FUSIVEL (3.15A/250V)	
⚠F1291	1-532-465-33	FUSIVEL (3.15A/250V)	
⚠T1200	1-443-976-11	TRANSFORMADOR DE FORÇA	

8-8. SEÇÃO-1 DVD MECHANISM DECK (CDM74HF-DVBU101)



Ref. No.	Part No.	Description	Remark
501	4-218-253-42	PARAFUSO (M2.6), +BTTP	
502	1-776-182-11	CABO (TIPO FLAT) (5 VIAS)	
503	1-687-134-12	PLACA MOTOR (TB)	
504	4-243-815-11	MESA (CARREGAMENTO)	
505	4-245-571-02	ENGRENAGEM (STOPPER)	
506	4-218-252-61	PARAFUSO (+PTPWH M2.6), FLOATING	
507	4-245-570-01	ENGRENAGEM (JOINT)	
508	4-245-572-01	BUCHA (ENGRENAGEM)	
509	1-687-132-12	PLACA SENSOR	
510	4-243-820-01	ENGRENAGEM (MESA)	
511	4-243-819-01	ENGRENAGEM (GENEVA)	
512	4-243-816-21	DISCO	
513	4-243-823-01	CORREIA (TABLE)	
514	4-985-672-01	PARAFUSO (+PTPWH M2.6), FLOATING	
515	4-243-821-01	POLIA (MESAE)	
516	3-231-598-01	FOLHA (BA)	
M741	A-1108-965-A	MOTOR MONTADO, MESA	

8-9. SEÇÃO-2 DVD MECHANISM DECK (CDM74HF-DVBU101)



Ref. No.	Part No.	Description	Remark
551	4-251-923-01	YOKE (310)	
552	4-218-253-32	PARAFUSO (M2.6), +BTTP	
553	1-687-669-12	PLACA SW	
554	4-244-034-01	CORREIA (CARREGAMENTO)	
555	4-218-252-52	PARAFUSO (+PTPWH M2.6), FLOATING	
556	4-225-844-01	ENGRENAGEM (LOADING A)	
557	4-224-613-01	ENGRENAGEM (SHAFT)	
558	1-687-133-12	PLACA MOTOR (LD)	
559	3-087-599-01	PARAFUSO DO AMORTECEDOR	
560	4-244-108-01	ENGRENAGEM SWING	
561	4-224-609-01	ENGRENAGEM (LOADING C)	
562	4-224-608-01	ORNAMENTO, SWING	
563	3-016-533-11	ARRUELA (FR), STOPPER	
564	4-224-611-01	ENGRENAGEM (LOADING B)	

Ref. No.	Part No.	Description	Remark
565	4-224-606-01	ENGRENAGEM (RV)	
566	4-243-818-01	ENGRENAGEM (U/D)	
567	2-541-918-01	ALAVANCA (LIFTER (H))	
568	2-345-982-01	POLIA A (310), CHUCKING	
569	2-345-983-01	POLIA B (310), CHUCKING	
570	2-634-618-01	AMORTECEDOR	
⚠571	8-820-322-01	BLOCO DA UNIDADE OTICA (KHM-313CAB/ C2NP) (Inclui mortor sled,motor spindle)	
M751	A-4737-553-A	MOTOR MONTADO, CARREGAMENTO	
S711	1-477-680-12	ENCODER, ROTARY (DISC TABLE ADDRESS DETECT)	

CD-SW DMB15

SEÇÃO 9
LISTA DE PEÇAS ELÉTRICAS

NOTA

- Devido a padronização, as peças substituidas podem ser diferentes das especificadas no diagrama ou nos componentes originais utilizados no aparelho.
- -XX e -X significam peças padronizadas, então estas podem ter algumas diferenças em relação a peça original.
- RESISTORES
  Todos os resistores estão em ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: não inflamavel
- Itens identificados por "*" não possuem estoque para venda. Portanto antecipe o pedido destes itens quando necessita-los.
- SEMICONDUTORES
  Em cada caso, u: µ, for exemplo:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORES
  uF: µF
- BOBINAS
  uH: µH

Componentes identificados por ⚠ ou impresso com a marca ⚠ são criticos para a segurança. Substitua os apenas pela peça original.

• Para substituição da placa montada consulte o Suporte Técnico.

Ref. No.	Part No.	Description			Remark
		PLACA CD-SW			
		**********			
		< CONECTOR >			
CN1152	1-784-729-11	SOCKET, CONNECTOR 7P			
		< RESISTOR >			
R1166	1-216-817-11	METAL CHIP	470	5%	1/10W
R1167	1-216-819-11	METAL CHIP	680	5%	1/10W
R1168	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1169	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1170	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
		< CHAVE >			
S1166	1-762-875-21	SWITCH, KEYBOARD (⏏ OPEN/CLOSE)			
S1167	1-762-875-21	SWITCH, KEYBOARD (EX-CHANGE/DISC SKIP)			
S1168	1-762-875-21	SWITCH, KEYBOARD (DISC 3)			
S1169	1-762-875-21	SWITCH, KEYBOARD (DISC 2)			
S1170	1-762-875-21	SWITCH, KEYBOARD (DISC 1)			
**********					
		PLACA DMB15 ,MONTADA			
		**********			
		< CAPACITOR >			
C101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C102	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C105	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C108	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C109	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C112	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C115	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C117	1-124-779-00	ELECT CHIP	10uF	20%	16V
C118	1-124-779-00	ELECT CHIP	10uF	20%	16V
C119	1-124-779-00	ELECT CHIP	10uF	20%	16V
C120	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C121	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C122	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C123	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C124	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C127	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C128	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C129	1-124-779-00	ELECT CHIP	10uF	20%	16V
C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C133	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C135	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C136	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C138	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C139	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C144	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C146	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C147	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C148	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C149	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C150	1-124-779-00	ELECT CHIP	10uF	20%	16V
C151	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C152	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C153	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C155	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C156	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C158	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C159	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C160	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C161	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C162	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C163	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C164	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C167	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C170	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C171	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C172	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C173	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Uma nova EEPROM (IC103) na DMB15 não pode ser montada. Assim, caso a placa DMB15 seja substituida, é necessário substituir EEPROM com a da placa antiga.

DMB15

Ref. No.	Part No.	Description			Remark
C174	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C175	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C177	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C178	1-126-208-21	ELECT CHIP	47uF	20%	4V
C179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C182	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C184	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C187	1-126-208-21	ELECT CHIP	47uF	20%	4V
C188	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C189	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C190	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C191	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C192	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C193	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C195	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C196	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C205	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C206	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C217	1-126-204-11	ELECT CHIP	47uF	20%	16V
C218	1-124-779-00	ELECT CHIP	10uF	20%	16V
C219	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C220	1-124-779-00	ELECT CHIP	10uF	20%	16V
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C301	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C302	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C305	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C306	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C307	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C402	1-126-204-11	ELECT CHIP	47uF	20%	16V
C403	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3601	1-117-370-11	CERAMIC CHIP	10uF		10V
C3602	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3603	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3605	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3607	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3608	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3609	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3611	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3621	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3704	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3705	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3711	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3712	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3713	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3714	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3721	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3722	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3723	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3724	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3731	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3732	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3733	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3734	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3741	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3742	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3743	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3744	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3751	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3752	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3753	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3754	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3761	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3762	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3763	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3764	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3771	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3772	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3773	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3774	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3781	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C3782	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3783	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3784	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C3801	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3802	1-117-370-11	CERAMIC CHIP	10uF		10V
C3803	1-126-209-11	ELECT CHIP	100uF	20%	4V
C3804	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3805	1-126-208-21	ELECT CHIP	47uF	20%	4V

< CONECTOR >

CN101	1-815-763-32	CONNECTOR, FFC/FPC 24P	
* CN105	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P	
CN106	1-793-989-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 13P	
* CN201	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P	
CN301	1-793-989-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 13P	
CN302	1-778-692-11	CONNECTOR, FFC/FPC 21P	
CN401	1-779-993-11	PIN, CONNECTOR (PWB) 5P	

< DIODO >

D1001	8-719-058-24	DIODE	RB501V-40TE-17
D3501	8-719-988-61	DIODE	1SS355TE-17
D3502	8-719-988-61	DIODE	1SS355TE-17

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Ref. No.	Part No.	Description	Remark
D3601	8-719-988-61	DIODE 1SS355TE-17	
D3602	8-719-988-61	DIODE 1SS355TE-17	
		< FERRITE BEAD >	
FB111	1-414-226-21	INDUCTOR, FERRITE BEAD	
FB112	1-414-226-21	INDUCTOR, FERRITE BEAD	
FB113	1-414-226-21	INDUCTOR, FERRITE BEAD	
FB114	1-414-226-21	INDUCTOR, FERRITE BEAD	
FB115	1-414-226-21	INDUCTOR, FERRITE BEAD	
FB401	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB402	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB403	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB404	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB405	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB406	1-469-324-21	FERRITE, EMI (SMD) (2012)	
		< FILTER >	
FL101	1-234-177-21	FILTER, CHIP EMI	
FL104	1-234-177-21	FILTER, CHIP EMI	
FL105	1-234-177-21	FILTER, CHIP EMI	
FL106	1-234-177-21	FILTER, CHIP EMI	
FL107	1-234-177-21	FILTER, CHIP EMI	
FL108	1-234-177-21	FILTER, CHIP EMI	
FL401	1-234-177-21	FILTER, CHIP EMI	
FL402	1-233-893-21	FILTER, CHIP EMI	
FL403	1-234-177-21	FILTER, CHIP EMI	
		< IC >	
IC101	IC MX29LV320CBTC70-CBA3-		
IC103	(Não fornecido)	IC BR24L64F-WE2	
IC104	6-709-370-01	IC A2V64S40CTP-G75	
IC105	6-702-302-01	IC TK11133CSCL-G	
IC106	6-708-153-01	IC PQ018EN01ZPH	
IC107	6-702-302-01	IC TK11133CSCL-G	
IC201	6-704-524-01	IC FAN8036L	
IC301	6-704-222-01	IC AK4358VQ-L	
IC3601	6-707-608-01	IC PCM1803DBR	
IC3711	8-759-359-49	IC NJM3414AV (TE2)	
IC3731	8-759-359-49	IC NJM3414AV (TE2)	
IC3751	8-759-359-49	IC NJM3414AV (TE2)	
IC3771	8-759-359-49	IC NJM3414AV (TE2)	
		< BOBINA >	
L3601	1-469-555-21	INDUCTOR 10uH	
L3602	1-469-555-21	INDUCTOR 10uH	
		< TRANSISTOR >	
Q101	6-550-008-01	FET UM6K1N-TN	
Q102	6-550-653-01	TRANSISTOR QST8TR	
Q103	8-729-027-52	TRANSISTOR DTC124EKA-T146	
Q3801	8-729-230-49	TRANSISTOR 2SC2712-YG	
		< RESISTOR/FERRITE BEAD >	
R101	1-216-809-11	METAL CHIP 100 5% 1/10W	
R104	1-216-864-11	SHORT CHIP 0	
R105	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R106	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R107	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R108	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R109	1-216-864-11	SHORT CHIP 0	
R110	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R111	1-216-809-11	METAL CHIP 100 5% 1/10W	
R112	1-211-977-11	METAL CHIP 22 0.5% 1/10W	
R113	1-211-977-11	METAL CHIP 22 0.5% 1/10W	
R114	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R115	1-211-977-11	METAL CHIP 22 0.5% 1/10W	
R116	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R117	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R118	1-216-801-11	METAL CHIP 22 5% 1/10W	
R120	1-216-801-11	METAL CHIP 22 5% 1/10W	
R121	1-216-801-11	METAL CHIP 22 5% 1/10W	
R123	1-216-864-11	SHORT CHIP 0	
R124	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R126	1-216-864-11	SHORT CHIP 0	
R127	1-216-809-11	METAL CHIP 100 5% 1/10W	
R136	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R138	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R141	1-218-916-11	METAL CHIP 750K 0.5% 1/10W	
R142	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R146	1-216-805-11	METAL CHIP 47 5% 1/10W	
R151	1-216-805-11	METAL CHIP 47 5% 1/10W	
R152	1-216-864-11	SHORT CHIP 0	
R153	1-216-805-11	METAL CHIP 47 5% 1/10W	
R155	1-216-805-11	METAL CHIP 47 5% 1/10W	
R160	1-216-805-11	METAL CHIP 47 5% 1/10W	
R161	1-216-809-11	METAL CHIP 100 5% 1/10W	
R164	1-216-809-11	METAL CHIP 100 5% 1/10W	
R169	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R187	1-216-864-11	SHORT CHIP 0	
R189	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R190	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R191	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R192	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R193	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R195	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R196	1-216-864-11	SHORT CHIP 0	
R197	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R204	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R205	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R206	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R207	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
R208	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R209	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R210	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R212	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R213	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R214	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R215	1-216-834-11	METAL CHIP 12K 5% 1/10W	

Uma nova EEPROM (IC103) na DMB15 não pode ser montada. Assim, caso a placa DMB15 seja substituida, é necessário substituir EEPROM com a da placa antiga.

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Ref. No.	Part No.	Description			Remark
R216	1-216-834-11	METAL CHIP	12K	5%	1/10W
R219	1-216-838-11	METAL CHIP	27K	5%	1/10W
R220	1-216-833-11	METAL CHIP	10K	5%	1/10W
R221	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R223	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R224	1-216-833-11	METAL CHIP	10K	5%	1/10W
R225	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R226	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R230	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R231	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R232	1-218-877-11	METAL CHIP	18K	0.5%	1/10W
R233	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R234	1-216-833-11	METAL CHIP	10K	5%	1/10W
R246	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R314	1-216-809-11	METAL CHIP	100	5%	1/10W
R319	1-216-864-11	SHORT CHIP	0		
R321	1-216-864-11	SHORT CHIP	0		
R1101	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1102	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R1103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1104	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1108	1-216-864-11	SHORT CHIP	0		
R1109	1-216-864-11	SHORT CHIP	0		
R1110	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R1120	1-216-864-11	SHORT CHIP	0		
R1121	1-216-864-11	SHORT CHIP	0		
R1122	1-216-864-11	SHORT CHIP	0		
R1123	1-216-864-11	SHORT CHIP	0		
R1124	1-216-864-11	SHORT CHIP	0		
R1125	1-216-864-11	SHORT CHIP	0		
R1126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1129	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1133	1-216-864-11	SHORT CHIP	0		
R1134	1-216-864-11	SHORT CHIP	0		
R1150	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1151	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1152	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1161	1-216-864-11	SHORT CHIP	0		
R1168	1-216-817-11	METAL CHIP	470	5%	1/10W
R1502	1-216-864-11	SHORT CHIP	0		
R1504	1-400-244-11	BEAD, FERRITE (CHIP) (1608)			
R1524	1-216-864-11	SHORT CHIP	0		
R1526	1-216-864-11	SHORT CHIP	0		
R1527	1-216-864-11	SHORT CHIP	0		
R1530	1-216-864-11	SHORT CHIP	0		
R1531	1-216-864-11	SHORT CHIP	0		
R1540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1543	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1544	1-216-864-11	SHORT CHIP	0		
R1546	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1547	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1548	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1550	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1553	1-216-864-11	SHORT CHIP	0		
R1554	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1557	1-216-809-11	METAL CHIP	100	5%	1/10W
R1559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2504	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3504	1-216-809-11	METAL CHIP	100	5%	1/10W
R3505	1-216-809-11	METAL CHIP	100	5%	1/10W
R3601	1-216-809-11	METAL CHIP	100	5%	1/10W
R3602	1-216-809-11	METAL CHIP	100	5%	1/10W
R3603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3605	1-216-864-11	SHORT CHIP	0		
R3606	1-216-864-11	SHORT CHIP	0		
R3607	1-216-864-11	SHORT CHIP	0		
R3609	1-216-864-11	SHORT CHIP	0		
R3611	1-216-809-11	METAL CHIP	100	5%	1/10W
R3621	1-216-809-11	METAL CHIP	100	5%	1/10W
R3651	1-216-864-11	SHORT CHIP	0		
R3652	1-216-864-11	SHORT CHIP	0		
R3653	1-216-864-11	SHORT CHIP	0		
R3711	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3712	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3713	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3714	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3715	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3716	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3717	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3718	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3719	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3721	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3722	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3723	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3724	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3725	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3726	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3727	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3728	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3729	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3731	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3732	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3733	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3734	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3735	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3737	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3738	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3739	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3741	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3742	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3743	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3744	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3745	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3746	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3747	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3748	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3749	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3751	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3752	1-216-823-11	METAL CHIP	1.5K	5%	1/10W

DMB15 **DRIVER**

Ref. No.	Part No.	Description			Remark
R3753	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3754	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3756	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3757	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3758	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3759	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3761	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3762	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3763	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3764	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3765	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3766	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3767	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3768	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3769	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3771	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3772	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3773	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3774	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3775	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3776	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3777	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3778	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3779	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3781	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3782	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3783	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3784	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R3785	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3786	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3787	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3788	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3789	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3801	1-216-864-11	SHORT CHIP	0		
R3802	1-216-864-11	SHORT CHIP	0		
R3803	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3804	1-216-836-11	METAL CHIP	18K	5%	1/10W
R3805	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4701	1-216-864-11	SHORT CHIP	0		
R4702	1-216-864-11	SHORT CHIP	0		
R4703	1-216-864-11	SHORT CHIP	0		
R4704	1-216-864-11	SHORT CHIP	0		
R4705	1-216-864-11	SHORT CHIP	0		
R4706	1-216-864-11	SHORT CHIP	0		
R5008	1-216-864-11	SHORT CHIP	0		
R5011	1-216-864-11	SHORT CHIP	0		
R5014	1-216-864-11	SHORT CHIP	0		
R5016	1-216-864-11	SHORT CHIP	0		

< COMPOSITION CIRCUIT BLOCK >

RB103	1-234-795-21	RES, NETWORK 0X4 (2010)	
RB104	1-234-795-21	RES, NETWORK 0X4 (2010)	
RB105	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB106	1-234-371-21	RES, NETWORK 47 (1005X4)	

Ref. No.	Part No.	Description			Remark
RB107	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB108	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB111	1-234-795-21	RES, NETWORK 0X4 (2010)			
RB112	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB113	1-234-370-21	RES, NETWORK 22 (1005X4)			
		< OSCILADOR >			
X101	1-781-867-21	VIBRATOR, CRYSTAL (27MHz)			
**********					
		PLACA DRIVER			
		**********			
		< CAPACITOR >			
C715	1-126-933-11	ELECT	100uF	20%	16V
C731	1-126-964-11	ELECT	10uF	20%	50V
C735	1-164-159-11	CERAMIC	0.1uF		50V
C736	1-164-159-11	CERAMIC	0.1uF		50V
C737	1-164-159-11	CERAMIC	0.1uF		50V
C741	1-162-306-11	CERAMIC	0.01uF	20%	16V
C751	1-162-306-11	CERAMIC	0.01uF	20%	16V
C752	1-164-159-11	CERAMIC	0.1uF		50V
		< CONECTOR >			
CN701	1-784-735-11	CONNECTOR, FFC 13P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
		< DIODO>			
D701	8-719-947-16	DIODE MTZJ-T-72-5.1A			
D711	8-719-983-66	DIODE MTZJ-T-72-3.6B			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC712	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	8-729-029-66	TRANSISTOR	DTC114ESA		
		< RESISTOR >			
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-247-847-11	CARBON	4.7K	5%	1/4W
R713	1-247-863-11	CARBON	22K	5%	1/4W
R721	1-247-847-11	CARBON	4.7K	5%	1/4W
R722	1-247-847-11	CARBON	4.7K	5%	1/4W
R723	1-247-847-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R736	1-249-412-11	CARBON	390	5%	1/4W
R751	1-247-847-11	CARBON	4.7K	5%	1/4W
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EFFECTOR

Ref. No.	Part No.	Description			Remark
		PLACA EFFECTOR, MONTADA			
		**********			
		< CAPACITOR >			
C1511	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1512	1-136-165-00	FILM	0.1uF	5%	50V
C1513	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1514	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1515	1-126-947-11	ELECT	47uF	20%	35V
C1516	1-136-495-11	FILM	0.068uF	5%	50V
C1517	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1519	1-136-159-00	FILM	0.033uF	5%	50V
C1520	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1521	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1522	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1523	1-136-495-11	FILM	0.068uF	5%	50V
C1524	1-126-957-11	ELECT	0.22uF	20%	50V
C1525	1-126-957-11	ELECT	0.22uF	20%	50V
C1526	1-136-165-00	FILM	0.1uF	5%	50V
C1528	1-104-665-11	ELECT	100uF	20%	25V
C1529	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1530	1-136-159-00	FILM	0.033uF	5%	50V
C1531	1-124-589-11	ELECT	47uF	20%	16V
C1532	1-136-495-11	FILM	0.068uF	5%	50V
C1533	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1534	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1535	1-136-159-00	FILM	0.033uF	5%	50V
C1536	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1537	1-136-165-00	FILM	0.1uF	5%	50V
C1539	1-136-495-11	FILM	0.068uF	5%	50V
C1540	1-126-957-11	ELECT	0.22uF	20%	50V
C1541	1-126-957-11	ELECT	0.22uF	20%	50V
C1542	1-130-479-00	MYLAR	0.0047uF	5%	50V
C1544	1-130-479-00	MYLAR	0.0047uF	5%	50V
C1545	1-126-964-11	ELECT	10uF	20%	50V
C1546	1-126-964-11	ELECT	10uF	20%	50V
C1548	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1552	1-126-964-11	ELECT	10uF	20%	50V
C1554	1-126-964-11	ELECT	10uF	20%	50V
C1555	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1559	1-126-964-11	ELECT	10uF	20%	50V
C1560	1-126-964-11	ELECT	10uF	20%	50V
C1561	1-126-964-11	ELECT	10uF	20%	50V
C1562	1-126-964-11	ELECT	10uF	20%	50V
C1568	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1570	1-126-964-11	ELECT	10uF	20%	50V
C1571	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1572	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1574	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1578	1-126-964-11	ELECT	10uF	20%	50V
C1584	1-104-665-11	ELECT	100uF	20%	25V
C1600	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1601	1-126-964-11	ELECT	10uF	20%	50V
C1602	1-126-964-11	ELECT	10uF	20%	50V
C2330	1-136-165-00	FILM	0.1uF	5%	50V
C2331	1-136-159-00	FILM	0.033uF	5%	50V
		< CONECTOR >			
CN1502	1-779-287-11	CONNECTOR, FFC (LIF (NON-ZIF)) 19P			
		< DIODO >			
D1502	8-719-069-56	DIODE	UDZSTE-176.2B		
D1503	6-501-193-01	DIODE	1SS355WTE-17		
D1504	6-501-193-01	DIODE	1SS355WTE-17		
D1505	6-501-193-01	DIODE	1SS355WTE-17		
D1506	6-501-193-01	DIODE	1SS355WTE-17		
D1507	6-501-193-01	DIODE	1SS355WTE-17		
D1508	6-501-193-01	DIODE	1SS355WTE-17		
		< IC >			
IC1501	8-759-496-41	IC	M65850FP-E1		
IC1502	6-709-217-01	IC	TC74LVX4051FT		
IC1503	6-709-217-01	IC	TC74LVX4051FT		
IC1504	8-759-496-41	IC	M65850FP-E1		
IC1505	8-759-274-71	IC	NJM4565M-(TE2)		
IC1506	6-709-218-01	IC	TC74LVX4052FT		
		< BOBINA >			
L1500	1-414-183-41	INDUCTOR	10uH		
		< TRANSISTOR >			
Q1500	8-729-055-10	FET	2SK3378ENTL		
Q1501	8-729-055-10	FET	2SK3378ENTL		
Q1502	8-729-055-10	FET	2SK3378ENTL		
Q1503	8-729-055-10	FET	2SK3378ENTL		
Q1504	8-729-055-10	FET	2SK3378ENTL		
Q1505	8-729-055-10	FET	2SK3378ENTL		
Q1506	8-729-055-10	FET	2SK3378ENTL		
Q1507	8-729-056-46	TRANSISTOR	2SC5053T100Q		
Q1508	8-729-055-10	FET	2SK3378ENTL		
Q1509	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q1510	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q1511	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q1512	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q1513	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q1514	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R1500	1-216-809-11	METAL CHIP	100	5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1511	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1512	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1514	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1515	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1516	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1517	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1519	1-216-840-11	METAL CHIP	39K	5%	1/10W

EFFECTOR **FUNCTION**

Ref. No.	Part No.	Description			Remark
R1522	1-216-864-11	SHORT CHIP	0		
R1525	1-216-809-11	METAL CHIP	100	5%	1/10W
R1527	1-216-809-11	METAL CHIP	100	5%	1/10W
R1530	1-216-817-11	METAL CHIP	470	5%	1/10W
R1531	1-218-289-11	METAL CHIP	510	5%	1/10W
R1532	1-216-818-11	METAL CHIP	560	5%	1/10W
R1533	1-216-819-11	METAL CHIP	680	5%	1/10W
R1534	1-218-484-11	METAL CHIP	750	5%	1/10W
R1535	1-216-820-11	METAL CHIP	820	5%	1/10W
R1536	1-218-457-11	METAL CHIP	910	5%	1/10W
R1538	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1539	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1540	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1541	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1542	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1543	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1544	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1545	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1546	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1547	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1549	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1550	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1552	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1553	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1554	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1555	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1556	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1558	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1559	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1561	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1563	1-216-864-11	SHORT CHIP	0		
R1564	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1565	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1566	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1567	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1568	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1570	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1571	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1572	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1573	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1574	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1575	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1576	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1577	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1578	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1579	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1581	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1582	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1583	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1588	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1589	1-216-803-11	METAL CHIP	33	5%	1/10W
R1590	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1591	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1592	1-216-864-11	SHORT CHIP	0		
R1593	1-216-864-11	SHORT CHIP	0		
R1594	1-216-864-11	SHORT CHIP	0		
R1595	1-216-864-11	SHORT CHIP	0		
R1596	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1597	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1598	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1599	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1600	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1601	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1602	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1603	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1604	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1605	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1606	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1607	1-216-837-11	METAL CHIP	22K	5%	1/10W
**********					
		PLACA FUNCTION , MONTADA			
		**********			
		< CAPACITOR >			
C907	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONECTOR >			
* CN901	1-784-778-11	SOCKET, CONNECTOR 17P			
		< HEADER >			
CNS902	1-820-050-11	BOARD TO BOARD HEADER (8P)			
		< LED >			
D1016	6-500-727-01	LED SLR-343DCT32 (DELAY)			
D1017	6-500-727-01	LED SLR-343DCT32 (CHORUS)			
D1020	6-500-727-01	LED SLR-343DCT32 (FLANGER)			
		< JUMPER RESISTOR >			
JR921	1-216-864-11	SHORT CHIP	0		
JR923	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q920	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q921	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
		< RESISTOR >			
R958	1-216-819-11	METAL CHIP	680	5%	1/10W
R959	1-216-821-11	METAL CHIP	1K	5%	1/10W
R960	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R961	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R962	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R963	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R972	1-216-821-11	METAL CHIP	1K	5%	1/10W
R973	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1001	1-216-817-11	METAL CHIP	470	5%	1/10W
R1002	1-216-819-11	METAL CHIP	680	5%	1/10W
R1003	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1004	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1005	1-216-823-11	METAL CHIP	1.5K	5%	1/10W

FUNCTION **JOG** **KARAOKE**

Ref. No.	Part No.	Description			Remark
R1006	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1014	1-216-817-11	METAL CHIP	470	5%	1/10W
R1015	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1016	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1018	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1019	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1186	1-216-814-11	METAL CHIP	270	5%	1/10W
		< SWITCH/ROTARY ENCODER >			
S901	1-762-875-21	SWITCH, KEYBOARD (PROGRESSIVE)			
S902	1-762-875-21	SWITCH, KEYBOARD (GROOVE)			
S903	1-762-875-21	SWITCH, KEYBOARD (EQ BAND)			
S904	1-762-875-21	SWITCH, KEYBOARD (DIRECTION)			
S905	1-762-875-21	SWITCH, KEYBOARD (REC PAUSE/START)			
S906	1-762-875-21	SWITCH, KEYBOARD (CD SYNC)			
S914	1-762-875-21	SWITCH, KEYBOARD (ENTER)			
S915	1-762-875-21	SWITCH, KEYBOARD (DELAY)			
S916	1-762-875-21	SWITCH, KEYBOARD (CHORUS)			
S917	1-762-875-21	SWITCH, KEYBOARD (FLANGER)			
S918	1-762-875-21	SWITCH, KEYBOARD (SOUND FIELD)			
S919	1-762-875-21	SWITCH, KEYBOARD (ILLUMINATION)			
S920	1-762-875-21	SWITCH, KEYBOARD (AMP MENU)			
S928	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)			
S970	1-418-725-51	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			

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PLACA JOG
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		< CAPACITOR >			
C1150	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CNS903	1-562-573-31	SOCKET, CONNECTOR 8P			
		< LED >			
D919	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 1)			
D920	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 2)			
D921	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 3)			
D922	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 4)			
D923	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 5)			
D924	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 6)			
D925	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 7)			
D926	8-719-064-63	LED SELU5823C-TP15 (VOLUME LEVEL 8)			
		< JUMPER RESISTOR >			
JR1	1-216-864-11	SHORT CHIP	0		
JR2	1-216-864-11	SHORT CHIP	0		
JR3	1-216-864-11	SHORT CHIP	0		
JR4	1-216-864-11	SHORT CHIP	0		
JR5	1-216-864-11	SHORT CHIP	0		
JR922	1-216-864-11	SHORT CHIP	0		
JR1096	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q911	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q912	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q913	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q915	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
		< RESISTOR >			
R1040	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1144	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1145	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1146	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1149	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1150	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1151	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1153	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1154	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1155	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1157	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1158	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1159	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1161	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-809-11	METAL CHIP	100	5%	1/10W
R1164	1-216-809-11	METAL CHIP	100	5%	1/10W
R1165	1-216-809-11	METAL CHIP	100	5%	1/10W
		< ENCODER ROTATIVO >			
S1161	1-479-203-11	ENCODER (ROTARY) (OPERATION DIAL)			

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PLACA KARAOKE , MONTADA

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		< CAPACITOR >			
C2000	1-104-665-11	ELECT	100uF	20%	25V
C2001	1-126-947-11	ELECT	47uF	20%	35V
C2002	1-126-947-11	ELECT	47uF	20%	35V
C2004	1-126-961-11	ELECT	2.2uF	20%	50V
C2005	1-126-947-11	ELECT	47uF	20%	35V
C2006	1-126-960-11	ELECT	1uF	20%	50V
C2007	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2008	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C2009	1-126-947-11	ELECT	47uF	20%	35V
C2010	1-124-257-00	ELECT	2.2uF	20%	50V
C2011	1-126-947-11	ELECT	47uF	20%	35V
C2013	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2015	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< DIODO >			
D2000	6-501-193-01	DIODE 1SS355WTE-17			
D2001	6-501-193-01	DIODE 1SS355WTE-17			
D2002	6-501-193-01	DIODE 1SS355WTE-17			
D2003	6-501-193-01	DIODE 1SS355WTE-17			
D2006	6-501-193-01	DIODE 1SS355WTE-17			
D2007	6-501-193-01	DIODE 1SS355WTE-17			
D2008	6-501-193-01	DIODE 1SS355WTE-17			

KARAOKE **MAIN**

Ref. No.	Part No.	Description			Remark
		< IC >			
IC2000	8-759-349-19	IC NJM3414AMP (TE2)			
IC2001	8-759-256-43	IC NJM2903M (TE2)			
IC2002	8-759-256-43	IC NJM2903M (TE2)			
		< RESISTOR >			
R2000	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2001	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2002	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2004	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2005	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2007	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2008	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2009	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2010	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2011	1-216-864-11	SHORT CHIP	0		
R2012	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2014	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2015	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2016	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2017	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2019	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2020	1-216-864-11	SHORT CHIP	0		
R2021	1-216-864-11	SHORT CHIP	0		
R2022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2025	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2026	1-216-864-11	SHORT CHIP	0		
R2028	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2029	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2030	1-216-864-11	SHORT CHIP	0		
R2031	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2032	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2034	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2036	1-216-864-11	SHORT CHIP	0		
R2037	1-216-864-11	SHORT CHIP	0		

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PLACA MAIN , MONTADA
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	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR/RESISTOR >			
C101	1-104-665-11	ELECT	100uF	20%	25V
C102	1-126-964-11	ELECT	10uF	20%	50V
C103	1-126-964-11	ELECT	10uF	20%	50V
C104	1-126-964-11	ELECT	10uF	20%	50V
C105	1-126-964-11	ELECT	10uF	20%	50V
C106	1-130-487-00	MYLAR	0.022uF	5%	50V
C107	1-130-487-00	MYLAR	0.022uF	5%	50V
C108	1-130-489-00	MYLAR	0.033uF	5%	50V
C109	1-126-960-11	ELECT	1uF	20%	50V
C110	1-137-438-11	MYLAR	0.0082uF	5%	50V
C111	1-126-964-11	ELECT	10uF	20%	50V
C112	1-136-498-11	FILM	0.12uF	5%	50V
C113	1-136-171-00	FILM	0.33uF	5%	50V
C114	1-126-964-11	ELECT	10uF	20%	50V
C115	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C116	1-126-924-11	ELECT	330uF	20%	10V
C130	1-126-964-11	ELECT	10uF	20%	50V
C131	1-126-959-11	ELECT	0.47uF	20%	50V
C150	1-126-964-11	ELECT	10uF	20%	50V
C152	1-126-964-11	ELECT	10uF	20%	50V
C153	1-126-964-11	ELECT	10uF	20%	50V
C154	1-126-964-11	ELECT	10uF	20%	50V
C155	1-126-964-11	ELECT	10uF	20%	50V
C156	1-130-487-00	MYLAR	0.022uF	5%	50V
C157	1-130-487-00	MYLAR	0.022uF	5%	50V
C158	1-130-489-00	MYLAR	0.033uF	5%	50V
C159	1-126-960-11	ELECT	1uF	20%	50V
C160	1-137-438-11	MYLAR	0.0082uF	5%	50V
C161	1-126-964-11	ELECT	10uF	20%	50V
C162	1-136-498-11	FILM	0.12uF	5%	50V
C163	1-136-171-00	FILM	0.33uF	5%	50V
C164	1-126-964-11	ELECT	10uF	20%	50V
C166	1-126-964-11	ELECT	10uF	20%	50V
C167	1-126-964-11	ELECT	10uF	20%	50V
C200	1-136-497-11	FILM	0.1uF	5%	50V
C201	1-136-497-11	FILM	0.1uF	5%	50V
C202	1-126-964-11	ELECT	10uF	20%	50V
C203	1-136-498-11	FILM	0.12uF	5%	50V
C204	1-136-171-00	FILM	0.33uF	5%	50V
C205	1-104-665-11	ELECT	100uF	20%	25V
C206	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C207	1-124-261-00	ELECT	10uF	20%	50V
C209	1-124-261-00	ELECT	10uF	20%	50V
C210	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C211	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C212	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C213	1-126-964-11	ELECT	10uF	20%	50V
C214	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C215	1-126-964-11	ELECT	10uF	20%	50V
C216	1-126-964-11	ELECT	10uF	20%	50V
C217	1-126-964-11	ELECT	10uF	20%	50V
C218	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C219	1-126-964-11	ELECT	10uF	20%	50V
C220	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C221	1-126-960-11	ELECT	1uF	20%	50V
C222	1-126-964-11	ELECT	10uF	20%	50V
C223	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C224	1-126-964-11	ELECT	10uF	20%	50V
C225	1-126-960-11	ELECT	1uF	20%	50V
C226	1-126-960-11	ELECT	1uF	20%	50V
C227	1-126-960-11	ELECT	1uF	20%	50V
C228	1-126-960-11	ELECT	1uF	20%	50V
C229	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C233	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C234	1-126-964-11	ELECT	10uF	20%	50V
C235	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C242	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C251	1-126-960-11	ELECT	1uF	20%	50V
C252	1-126-964-11	ELECT	10uF	20%	50V
C253	1-136-498-11	FILM	0.12uF	5%	50V
C254	1-136-171-00	FILM	0.33uF	5%	50V
C255	1-104-665-11	ELECT	100uF	20%	25V
C256	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C257	1-126-964-11	ELECT	10uF	20%	50V
C258	1-126-964-11	ELECT	10uF	20%	50V
C259	1-124-261-00	ELECT	10uF	20%	50V
C260	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C261	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C262	1-126-964-11	ELECT	10uF	20%	50V
C263	1-126-964-11	ELECT	10uF	20%	50V
C264	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C265	1-126-964-11	ELECT	10uF	20%	50V
C266	1-126-964-11	ELECT	10uF	20%	50V
C267	1-126-964-11	ELECT	10uF	20%	50V
C268	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C269	1-126-964-11	ELECT	10uF	20%	50V
C270	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C272	1-126-934-11	ELECT	220uF	20%	16V
C273	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C274	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C276	1-126-960-11	ELECT	1uF	20%	50V
C277	1-126-960-11	ELECT	1uF	20%	50V
C278	1-126-960-11	ELECT	1uF	20%	50V
C279	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C301	1-136-967-11	FILM	0.012uF	5%	100V
C303	1-136-497-11	FILM	0.1uF	5%	50V
C304	1-126-964-11	ELECT	10uF	20%	50V
C305	1-126-960-11	ELECT	1uF	20%	50V
C306	1-126-961-11	ELECT	2.2uF	20%	50V
C307	1-126-964-11	ELECT	10uF	20%	50V
C308	1-126-935-11	ELECT	470uF	20%	16V
C309	1-126-947-11	ELECT	47uF	20%	35V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C314	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C325	1-126-964-11	ELECT	10uF	20%	50V
C326	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C328	1-137-427-11	MYLAR	120PF	5%	50V
C332	1-164-670-11	CERAMIC CHIP	1200PF	5%	16V
C333	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C335	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C340	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V

Ref. No.	Part No.	Description			Remark
C341	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C351	1-136-967-11	FILM	0.012uF	5%	100V
C352	1-126-947-11	ELECT	47uF	20%	35V
C353	1-136-497-11	FILM	0.1uF	5%	50V
C354	1-126-964-11	ELECT	10uF	20%	50V
C355	1-126-960-11	ELECT	1uF	20%	50V
C356	1-126-961-11	ELECT	2.2uF	20%	50V
C357	1-126-963-11	ELECT	4.7uF	20%	50V
C358	1-126-963-11	ELECT	4.7uF	20%	50V
C359	1-126-947-11	ELECT	47uF	20%	35V
C360	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C361	1-126-964-11	ELECT	10uF	20%	50V
C362	1-126-963-11	ELECT	4.7uF	20%	50V
C363	1-126-963-11	ELECT	4.7uF	20%	50V
C364	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C365	1-126-960-11	ELECT	1uF	20%	50V
C370	1-137-150-11	FILM	0.01uF	5%	100V
C371	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C372	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C373	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C374	1-126-947-11	ELECT	47uF	20%	35V
C376	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C377	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C378	1-137-427-11	MYLAR	120PF	5%	50V
C379	1-130-481-00	MYLAR	0.0068uF	5%	50V
C382	1-164-670-11	CERAMIC CHIP	1200PF	5%	16V
C383	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C385	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C410	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C411	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C412	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C413	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C414	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C415	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C416	1-104-656-11	ELECT	2200uF	20%	6.3V
C431	1-126-964-11	ELECT	10uF	20%	50V
C462	1-104-665-11	ELECT	100uF	20%	25V
C464	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C501	1-126-964-11	ELECT	10uF	20%	50V
C502	1-136-497-11	FILM	0.1uF	5%	50V
C503	1-136-497-11	FILM	0.1uF	5%	50V
C504	1-126-964-11	ELECT	10uF	20%	50V
C505	1-126-961-11	ELECT	2.2uF	20%	50V
C506	1-126-961-11	ELECT	2.2uF	20%	50V
C507	1-126-961-11	ELECT	2.2uF	20%	50V
C508	1-126-961-11	ELECT	2.2uF	20%	50V
C509	1-126-961-11	ELECT	2.2uF	20%	50V
C510	1-126-961-11	ELECT	2.2uF	20%	50V
C511	1-126-961-11	ELECT	2.2uF	20%	50V
C512	1-126-157-11	ELECT	10uF	20%	16V
C513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C514	1-126-768-11	ELECT	2200uF	20%	16V
C515	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C516	1-126-927-11	ELECT	2200uF	20%	10V
C517	1-126-961-11	ELECT	2.2uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C518	1-126-926-11	ELECT	1000uF	20%	10V
C519	1-126-927-11	ELECT	2200uF	20%	10V
C520	1-126-964-11	ELECT	10uF	20%	50V
C521	1-126-964-11	ELECT	10uF	20%	50V
C523	1-126-961-11	ELECT	2.2uF	20%	50V
C524	1-126-961-11	ELECT	2.2uF	20%	50V
C525	1-126-926-11	ELECT	1000uF	20%	10V
C530	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C550	1-119-774-11	ELECT	100uF	20%	16V
C551	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C552	1-126-961-11	ELECT	2.2uF	20%	50V
C553	1-104-666-11	ELECT	220uF	20%	25V
C554	1-126-964-11	ELECT	10uF	20%	50V
C557	1-130-483-00	MYLAR	0.01uF	5%	50V
C558	1-130-483-00	MYLAR	0.01uF	5%	50V
C559	1-126-926-11	ELECT	1000uF	20%	10V
C562	1-126-935-11	ELECT	470uF	20%	16V
C563	1-126-935-11	ELECT	470uF	20%	16V
C564	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C565	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C566	1-111-235-51	ELECT	10000uF	20%	25V
C567	1-126-946-51	ELECT	6800uF	20%	25V
C568	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C569	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C570	1-130-483-00	MYLAR	0.01uF	5%	50V
C571	1-130-483-00	MYLAR	0.01uF	5%	50V
C580	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C581	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C583	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C584	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONECTOR >			
* CN100	1-564-711-11	PIN, CONNECTOR (SMALL TYPE) 9P			
CN501	1-764-861-21	CONNECTOR, BOARD TO BOARD13P			
* CN502	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P			
* CN503	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
CN504	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CN505	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN506	1-784-731-11	CONNECTOR, FFC 9P			
* CN508	1-784-778-11	SOCKET, CONNECTOR 17P			
CN509	1-784-772-11	SOCKET, CONNECTOR 11P			
CN511	1-784-735-11	CONNECTOR, FFC 13P			
CN512	1-779-287-11	CONNECTOR, FFC (LIF (NON-ZIF)) 19P			
CN513	1-764-861-21	CONNECTOR, BOARD TO BOARD 13P			
* CN514	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P			
CN520	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
CN521	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
CN580	1-564-506-51	PLUG, CONNECTOR 3P			
CN582	1-564-506-51	PLUG, CONNECTOR 3P			
		< DIODO >			
D101	6-501-193-01	DIODE 1SS355WTE-17			
D102	6-501-193-01	DIODE 1SS355WTE-17			

Ref. No.	Part No.	Description	Remark
D136	8-719-069-55	DIODE UDZSTE-175.6B	
D325	8-719-083-60	DIODE UDZSTE-174.7B	
D340	6-501-193-01	DIODE 1SS355WTE-17	
D341	6-501-193-01	DIODE 1SS355WTE-17	
D342	6-501-193-01	DIODE 1SS355WTE-17	
D401	6-501-193-01	DIODE 1SS355WTE-17	
D402	6-501-193-01	DIODE 1SS355WTE-17	
D403	6-501-193-01	DIODE 1SS355WTE-17	
D411	6-501-193-01	DIODE 1SS355WTE-17	
D412	6-501-193-01	DIODE 1SS355WTE-17	
D501	6-501-193-01	DIODE 1SS355WTE-17	
D502	6-501-193-01	DIODE 1SS355WTE-17	
D503	6-501-193-01	DIODE 1SS355WTE-17	
D504	6-501-193-01	DIODE 1SS355WTE-17	
D505	6-501-193-01	DIODE 1SS355WTE-17	
D506	6-501-193-01	DIODE 1SS355WTE-17	
D507	6-501-193-01	DIODE 1SS355WTE-17	
D510	6-501-193-01	DIODE 1SS355WTE-17 (ZX80D)	
D511	6-501-193-01	DIODE 1SS355WTE-17 (ZX80D)	
D550	6-501-193-01	DIODE 1SS355WTE-17	
D551	6-501-193-01	DIODE 1SS355WTE-17	
D560	8-719-500-60	DIODE D5SBA20	
D561	8-719-500-60	DIODE D5SBA20	
D581	8-719-069-57	DIODE UDZSTE-176.8B	
D582	8-719-069-56	DIODE UDZSTE-176.2B	
D583	8-719-071-54	DIODE HZU2.0BTRF	
D584	8-719-083-63	DIODE UDZSTE-1713B	
D585	6-500-522-21	DIODE 10EDB40-TB3	
D586	6-500-522-21	DIODE 10EDB40-TB3	
		< JUMPER RESISTOR >	
FB204	1-216-864-11	SHORT CHIP 0	
FB254	1-216-864-11	SHORT CHIP 0	
FB260	1-216-864-11	SHORT CHIP 0	
FB261	1-216-864-11	SHORT CHIP 0	
		< IC >	
IC101	6-703-650-11	IC M61529FP-D60G	
IC201	6-703-651-11	IC M61530FP-D60G	
IC301	6-702-130-01	IC HA12237F	
IC304	8-759-274-71	IC NJM4565M-(TE2)	
IC401	6-806-203-01	IC M30622MEP-A78FPU0	
IC501	6-705-809-01	IC BD4929G-TR	
IC507	8-759-653-07	IC PQ09RD21J00H	
IC550	6-703-610-01	IC RT8H015C-T112-1	
IC558	6-703-547-01	IC TA7805LS	
IC559	6-702-771-01	IC TA78033LS	
IC560	8-759-394-36	IC BA09T	
IC561	8-759-394-36	IC BA09T	
		< CONECTOR/JACK >	
J103	1-820-048-11	CONNECTOR (LIGHTING) (D-LIGHT SYNC OUT)	
J201	1-815-045-11	JACK, PIN 2P (TV/SAT AUDIO IN)	
J202	1-815-045-11	JACK, PIN 2P (AUDIO OUT)	
J203	1-770-377-31	JACK, PIN 1P (SUBWOOFER OUT)	

MAIN

Ref. No.	Part No.	Description		Remark
		< JUMPER RESISTOR >		
JR100	1-216-296-11	SHORT CHIP	0	
JR101	1-216-864-11	SHORT CHIP	0	
JR102	1-216-864-11	SHORT CHIP	0	
JR104	1-216-864-11	SHORT CHIP	0	
JR105	1-216-864-11	SHORT CHIP	0	
JR200	1-216-864-11	SHORT CHIP	0	
JR201	1-216-864-11	SHORT CHIP	0	
JR202	1-216-864-11	SHORT CHIP	0	
JR204	1-216-296-11	SHORT CHIP	0	
JR205	1-216-296-11	SHORT CHIP	0	
JR208	1-216-864-11	SHORT CHIP	0	
JR218	1-216-864-11	SHORT CHIP	0	
JR219	1-216-864-11	SHORT CHIP	0	
JR222	1-216-864-11	SHORT CHIP	0	
JR300	1-216-296-11	SHORT CHIP	0	
JR301	1-216-864-11	SHORT CHIP	0	
JR302	1-216-864-11	SHORT CHIP	0	
JR303	1-216-864-11	SHORT CHIP	0	
JR304	1-216-864-11	SHORT CHIP	0	
JR305	1-216-296-11	SHORT CHIP	0	
JR310	1-216-296-11	SHORT CHIP	0	
JR340	1-216-864-11	SHORT CHIP	0	
JR359	1-216-864-11	SHORT CHIP	0	
JR361	1-216-864-11	SHORT CHIP	0	
JR400	1-216-296-11	SHORT CHIP	0	
JR401	1-216-864-11	SHORT CHIP	0	
JR404	1-216-864-11	SHORT CHIP	0	
JR406	1-216-864-11	SHORT CHIP	0	
JR407	1-216-864-11	SHORT CHIP	0	
JR430	1-216-864-11	SHORT CHIP	0	
JR431	1-216-296-11	SHORT CHIP	0	
JR432	1-216-296-11	SHORT CHIP	0	
JR433	1-216-864-11	SHORT CHIP	0	
JR435	1-216-864-11	SHORT CHIP	0	
JR500	1-216-864-11	SHORT CHIP	0	
JR501	1-216-296-11	SHORT CHIP	0	
JR502	1-216-864-11	SHORT CHIP	0	
JR503	1-216-864-11	SHORT CHIP	0	
JR504	1-216-864-11	SHORT CHIP	0	
JR505	1-216-864-11	SHORT CHIP	0	
JR506	1-216-864-11	SHORT CHIP	0	
JR507	1-216-296-11	SHORT CHIP	0	
JR508	1-216-864-11	SHORT CHIP	0	
JR509	1-216-864-11	SHORT CHIP	0	
JR510	1-216-864-11	SHORT CHIP	0	
JR514	1-216-864-11	SHORT CHIP	0	
JR515	1-216-296-11	SHORT CHIP	0	
JR520	1-216-864-11	SHORT CHIP	0	
JR531	1-216-296-11	SHORT CHIP	0	
JR532	1-216-296-11	SHORT CHIP	0	
JR541	1-216-296-11	SHORT CHIP	0	
JR542	1-216-864-11	SHORT CHIP	0	
JR543	1-216-296-11	SHORT CHIP	0	
JR544	1-216-296-11	SHORT CHIP	0	
JR545	1-216-864-11	SHORT CHIP	0	
		< BOBINA >		
L302	1-414-189-31	INDUCTOR	100uH	
L320	1-410-780-71	INDUCTOR	27mH	
L370	1-410-780-71	INDUCTOR	27mH	
L372	1-414-189-31	INDUCTOR	100uH	
		< TRANSISTOR >		
Q101	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF	
Q103	8-729-056-46	TRANSISTOR	2SC5053T100Q	
Q104	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q106	8-729-023-23	TRANSISTOR	2SD2114K	
Q117	8-729-023-23	TRANSISTOR	2SD2114K	
Q151	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF	
Q156	8-729-023-23	TRANSISTOR	2SD2114K	
Q167	8-729-023-23	TRANSISTOR	2SD2114K	
Q200	8-729-023-23	TRANSISTOR	2SD2114K	
Q202	8-729-023-23	TRANSISTOR	2SD2114K	
Q203	8-729-023-23	TRANSISTOR	2SD2114K	
Q204	8-729-023-23	TRANSISTOR	2SD2114K	
Q205	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R	
Q206	8-729-023-23	TRANSISTOR	2SD2114K	
Q207	8-729-023-23	TRANSISTOR	2SD2114K	
Q208	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q250	8-729-023-23	TRANSISTOR	2SD2114K	
Q252	8-729-023-23	TRANSISTOR	2SD2114K	
Q253	8-729-023-23	TRANSISTOR	2SD2114K	
Q254	8-729-023-23	TRANSISTOR	2SD2114K	
Q255	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R	
Q256	8-729-023-23	TRANSISTOR	2SD2114K	
Q321	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q322	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q323	8-729-056-46	TRANSISTOR	2SC5053T100Q	
Q325	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q340	8-729-920-79	TRANSISTOR	2SB1132-T100QR	
Q341	8-729-920-79	TRANSISTOR	2SB1132-T100QR	
Q342	8-729-920-79	TRANSISTOR	2SB1132-T100QR	
Q343	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q344	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q345	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q370	8-729-102-93	TRANSISTOR	2SD596T1DV4	
Q372	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q373	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q375	6-551-287-01	TRANSISTOR	2SD2704K-T146	
Q377	6-550-289-01	TRANSISTOR	2SA1235F	
Q378	6-550-185-01	TRANSISTOR	RT1P137P-TP-1	
Q379	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q380	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q381	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q382	8-729-027-23	TRANSISTOR	DTA114EKA-T146	
Q383	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q501	8-729-027-52	TRANSISTOR	DTC124EKA	
Q503	8-729-027-43	TRANSISTOR	DTC114EKA-T146	

MAIN

Ref. No.	Part No.	Description			Remark
Q504	8-729-027-56	TRANSISTOR	DTC143TKA-T146		
Q505	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q506	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q507	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q508	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q509	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q510	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q511	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q512	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q513	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q514	8-729-023-23	TRANSISTOR	2SD2114K		
Q515	8-729-027-56	TRANSISTOR	DTC143TKA-T146		
Q516	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q517	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q518	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q519	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q520	8-729-024-94	TRANSISTOR	2SB1565F		
Q521	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q522	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q523	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q524	8-729-027-52	TRANSISTOR	DTC124EKA		
Q550	8-729-027-56	TRANSISTOR	DTC143TKA-T146		
Q564	8-729-023-23	TRANSISTOR	2SD2114K		
Q578	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q579	8-729-230-50	TRANSISTOR	2SC2712-YG		
Q581	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q582	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q585	8-729-026-68	TRANSISTOR	2SD2525 (TP)		
Q587	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q588	8-729-026-68	TRANSISTOR	2SD2525 (TP)		
Q589	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
		< RESISTOR >			
R101	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R102	1-216-833-11	METAL CHIP	10K	5%	1/10W
R103	1-216-821-11	METAL CHIP	1K	5%	1/10W
R104	1-216-821-11	METAL CHIP	1K	5%	1/10W
R105	1-216-841-11	METAL CHIP	47K	5%	1/10W
R106	1-216-833-11	METAL CHIP	10K	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R109	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R110	1-216-833-11	METAL CHIP	10K	5%	1/10W
R111	1-216-833-11	METAL CHIP	10K	5%	1/10W
R112	1-216-841-11	METAL CHIP	47K	5%	1/10W
R113	1-216-833-11	METAL CHIP	10K	5%	1/10W
R114	1-216-833-11	METAL CHIP	10K	5%	1/10W
R115	1-216-821-11	METAL CHIP	1K	5%	1/10W
R116	1-216-809-11	METAL CHIP	100	5%	1/10W
R117	1-216-864-11	SHORT CHIP	0		
R120	1-216-864-11	SHORT CHIP	0		
R121	1-216-833-11	METAL CHIP	10K	5%	1/10W
R122	1-216-833-11	METAL CHIP	10K	5%	1/10W
R130	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R131	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R132	1-216-857-11	METAL CHIP	1M	5%	1/10W

Ref. No.	Part No.	Description			Remark
R133	1-216-845-11	METAL CHIP	100K	5%	1/10W
R135	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R150	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R151	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R152	1-216-833-11	METAL CHIP	10K	5%	1/10W
R153	1-216-821-11	METAL CHIP	1K	5%	1/10W
R154	1-216-821-11	METAL CHIP	1K	5%	1/10W
R155	1-216-841-11	METAL CHIP	47K	5%	1/10W
R156	1-216-833-11	METAL CHIP	10K	5%	1/10W
R157	1-216-809-11	METAL CHIP	100	5%	1/10W
R158	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R160	1-216-833-11	METAL CHIP	10K	5%	1/10W
R161	1-216-833-11	METAL CHIP	10K	5%	1/10W
R162	1-216-841-11	METAL CHIP	47K	5%	1/10W
R163	1-216-833-11	METAL CHIP	10K	5%	1/10W
R164	1-216-833-11	METAL CHIP	10K	5%	1/10W
R165	1-216-821-11	METAL CHIP	1K	5%	1/10W
R166	1-216-809-11	METAL CHIP	100	5%	1/10W
R167	1-216-864-11	SHORT CHIP	0		
R200	1-216-833-11	METAL CHIP	10K	5%	1/10W
R202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R204	1-216-833-11	METAL CHIP	10K	5%	1/10W
R205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R206	1-216-841-11	METAL CHIP	47K	5%	1/10W
R207	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R208	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R209	1-216-833-11	METAL CHIP	10K	5%	1/10W
R210	1-216-817-11	METAL CHIP	470	5%	1/10W
R211	1-216-841-11	METAL CHIP	47K	5%	1/10W
R212	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R213	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R214	1-216-841-11	METAL CHIP	47K	5%	1/10W
R215	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R216	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R217	1-216-833-11	METAL CHIP	10K	5%	1/10W
R218	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R219	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R220	1-216-833-11	METAL CHIP	10K	5%	1/10W
R221	1-216-841-11	METAL CHIP	47K	5%	1/10W
R222	1-216-821-11	METAL CHIP	1K	5%	1/10W
R223	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R224	1-216-821-11	METAL CHIP	1K	5%	1/10W
R225	1-216-833-11	METAL CHIP	10K	5%	1/10W
R226	1-216-837-11	METAL CHIP	22K	5%	1/10W
R227	1-216-841-11	METAL CHIP	47K	5%	1/10W
R228	1-216-821-11	METAL CHIP	1K	5%	1/10W
R229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R230	1-216-821-11	METAL CHIP	1K	5%	1/10W
R231	1-216-841-11	METAL CHIP	47K	5%	1/10W
R232	1-216-833-11	METAL CHIP	10K	5%	1/10W
R233	1-216-841-11	METAL CHIP	47K	5%	1/10W
R234	1-216-821-11	METAL CHIP	1K	5%	1/10W
R235	1-216-833-11	METAL CHIP	10K	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R236	1-216-837-11	METAL CHIP	22K	5%	1/10W
R237	1-216-841-11	METAL CHIP	47K	5%	1/10W
R238	1-216-864-11	SHORT CHIP	0		
R239	1-216-833-11	METAL CHIP	10K	5%	1/10W
R240	1-216-835-11	METAL CHIP	15K	5%	1/10W
R241	1-216-839-11	METAL CHIP	33K	5%	1/10W
R242	1-216-833-11	METAL CHIP	10K	5%	1/10W
R243	1-216-821-11	METAL CHIP	1K	5%	1/10W
R244	1-216-845-11	METAL CHIP	100K	5%	1/10W
R245	1-216-833-11	METAL CHIP	10K	5%	1/10W
R246	1-216-841-11	METAL CHIP	47K	5%	1/10W
R247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R248	1-216-845-11	METAL CHIP	100K	5%	1/10W
R249	1-216-833-11	METAL CHIP	10K	5%	1/10W
R250	1-216-839-11	METAL CHIP	33K	5%	1/10W
R251	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R252	1-216-833-11	METAL CHIP	10K	5%	1/10W
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R254	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R255	1-216-821-11	METAL CHIP	1K	5%	1/10W
R256	1-216-841-11	METAL CHIP	47K	5%	1/10W
R257	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R258	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R259	1-216-833-11	METAL CHIP	10K	5%	1/10W
R260	1-216-817-11	METAL CHIP	470	5%	1/10W
R261	1-216-841-11	METAL CHIP	47K	5%	1/10W
R262	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R263	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R264	1-216-841-11	METAL CHIP	47K	5%	1/10W
R265	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R266	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R267	1-216-833-11	METAL CHIP	10K	5%	1/10W
R268	1-216-821-11	METAL CHIP	1K	5%	1/10W
R269	1-216-833-11	METAL CHIP	10K	5%	1/10W
R270	1-216-841-11	METAL CHIP	47K	5%	1/10W
R271	1-216-833-11	METAL CHIP	10K	5%	1/10W
R272	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R273	1-216-833-11	METAL CHIP	10K	5%	1/10W
R274	1-216-821-11	METAL CHIP	1K	5%	1/10W
R275	1-216-833-11	METAL CHIP	10K	5%	1/10W
R276	1-216-837-11	METAL CHIP	22K	5%	1/10W
R277	1-216-841-11	METAL CHIP	47K	5%	1/10W
R278	1-216-821-11	METAL CHIP	1K	5%	1/10W
R279	1-216-833-11	METAL CHIP	10K	5%	1/10W
R280	1-216-821-11	METAL CHIP	1K	5%	1/10W
R281	1-216-841-11	METAL CHIP	47K	5%	1/10W
R282	1-216-833-11	METAL CHIP	10K	5%	1/10W
R283	1-216-841-11	METAL CHIP	47K	5%	1/10W
R284	1-216-821-11	METAL CHIP	1K	5%	1/10W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R286	1-216-837-11	METAL CHIP	22K	5%	1/10W
R287	1-216-841-11	METAL CHIP	47K	5%	1/10W
R288	1-216-864-11	SHORT CHIP	0		
R289	1-216-833-11	METAL CHIP	10K	5%	1/10W
R290	1-216-835-11	METAL CHIP	15K	5%	1/10W
R291	1-216-839-11	METAL CHIP	33K	5%	1/10W
R292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R293	1-216-821-11	METAL CHIP	1K	5%	1/10W
R294	1-216-845-11	METAL CHIP	100K	5%	1/10W
R295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R296	1-216-841-11	METAL CHIP	47K	5%	1/10W
R297	1-216-821-11	METAL CHIP	1K	5%	1/10W
R298	1-216-833-11	METAL CHIP	10K	5%	1/10W
R299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R300	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R301	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R303	1-216-833-11	METAL CHIP	10K	5%	1/10W
R304	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R305	1-216-841-11	METAL CHIP	47K	5%	1/10W
R306	1-216-837-11	METAL CHIP	22K	5%	1/10W
R307	1-216-857-11	METAL CHIP	1M	5%	1/10W
R308	1-216-809-11	METAL CHIP	100	5%	1/10W
R309	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R310	1-216-809-11	METAL CHIP	100	5%	1/10W
R311	1-216-809-11	METAL CHIP	100	5%	1/10W
R312	1-216-809-11	METAL CHIP	100	5%	1/10W
R314	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R315	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R316	1-216-841-11	METAL CHIP	47K	5%	1/10W
R317	1-216-837-11	METAL CHIP	22K	5%	1/10W
R318	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R319	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R320	1-216-839-11	METAL CHIP	33K	5%	1/10W
R321	1-216-839-11	METAL CHIP	33K	5%	1/10W
R322	1-216-841-11	METAL CHIP	47K	5%	1/10W
R325	1-216-819-11	METAL CHIP	680	5%	1/10W
R329	1-216-845-11	METAL CHIP	100K	5%	1/10W
R330	1-216-821-11	METAL CHIP	1K	5%	1/10W
R335	1-216-821-11	METAL CHIP	1K	5%	1/10W
R336	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R337	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R339	1-216-835-11	METAL CHIP	15K	5%	1/10W
R340	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R341	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R342	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R343	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R344	1-216-819-11	METAL CHIP	680	5%	1/10W
R345	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R346	1-216-819-11	METAL CHIP	680	5%	1/10W
R347	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R348	1-216-819-11	METAL CHIP	680	5%	1/10W
R349	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R350	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R351	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R352	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R354	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R355	1-216-841-11	METAL CHIP	47K	5%	1/10W
R356	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R357	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R358	1-216-839-11	METAL CHIP	33K	5%	1/10W
R359	1-216-839-11	METAL CHIP	33K	5%	1/10W
R360	1-216-838-11	METAL CHIP	27K	5%	1/10W
R361	1-216-838-11	METAL CHIP	27K	5%	1/10W
R364	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R365	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R368	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R369	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R370	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R372	1-216-864-11	SHORT CHIP	0		
R373	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R374	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R375	1-216-864-11	SHORT CHIP	0		
R376	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R377	1-216-805-11	METAL CHIP	47	5%	1/10W
R378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R379	1-216-797-11	METAL CHIP	10	5%	1/10W
R380	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R381	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R382	1-216-841-11	METAL CHIP	47K	5%	1/10W
R383	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R384	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R385	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R386	1-216-803-11	METAL CHIP	33	5%	1/10W
R387	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R388	1-216-833-11	METAL CHIP	10K	5%	1/10W
R389	1-216-835-11	METAL CHIP	15K	5%	1/10W
R390	1-216-833-11	METAL CHIP	10K	5%	1/10W
R391	1-216-821-11	METAL CHIP	1K	5%	1/10W
R392	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R394	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R395	1-216-841-11	METAL CHIP	47K	5%	1/10W
R396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R399	1-216-833-11	METAL CHIP	10K	5%	1/10W
R400	1-216-833-11	METAL CHIP	10K	5%	1/10W
R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R402	1-216-809-11	METAL CHIP	100	5%	1/10W
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-216-833-11	METAL CHIP	10K	5%	1/10W
R405	1-216-809-11	METAL CHIP	100	5%	1/10W
R406	1-216-809-11	METAL CHIP	100	5%	1/10W
R407	1-216-809-11	METAL CHIP	100	5%	1/10W
R408	1-216-809-11	METAL CHIP	100	5%	1/10W
R409	1-216-809-11	METAL CHIP	100	5%	1/10W
R410	1-216-833-11	METAL CHIP	10K	5%	1/10W
R411	1-216-851-11	METAL CHIP	330K	5%	1/10W
R412	1-216-845-11	METAL CHIP	100K	5%	1/10W
R413	1-216-864-11	SHORT CHIP	0		
R414	1-216-809-11	METAL CHIP	100	5%	1/10W
R415	1-216-809-11	METAL CHIP	100	5%	1/10W
R417	1-216-833-11	METAL CHIP	10K	5%	1/10W
R418	1-216-809-11	METAL CHIP	100	5%	1/10W
R419	1-216-809-11	METAL CHIP	100	5%	1/10W
R420	1-216-821-11	METAL CHIP	1K	5%	1/10W
R421	1-216-809-11	METAL CHIP	100	5%	1/10W
R422	1-216-809-11	METAL CHIP	100	5%	1/10W
R423	1-216-809-11	METAL CHIP	100	5%	1/10W
R424	1-216-809-11	METAL CHIP	100	5%	1/10W
R425	1-216-809-11	METAL CHIP	100	5%	1/10W
R426	1-216-809-11	METAL CHIP	100	5%	1/10W
R427	1-216-833-11	METAL CHIP	10K	5%	1/10W
R428	1-216-833-11	METAL CHIP	10K	5%	1/10W
R429	1-216-809-11	METAL CHIP	100	5%	1/10W
R430	1-216-809-11	METAL CHIP	100	5%	1/10W
R431	1-216-809-11	METAL CHIP	100	5%	1/10W
R432	1-216-809-11	METAL CHIP	100	5%	1/10W
R433	1-216-809-11	METAL CHIP	100	5%	1/10W
R434	1-216-809-11	METAL CHIP	100	5%	1/10W
R435	1-216-809-11	METAL CHIP	100	5%	1/10W
R436	1-216-833-11	METAL CHIP	10K	5%	1/10W
R437	1-216-833-11	METAL CHIP	10K	5%	1/10W
R438	1-216-809-11	METAL CHIP	100	5%	1/10W
R439	1-216-809-11	METAL CHIP	100	5%	1/10W
R440	1-216-809-11	METAL CHIP	100	5%	1/10W
R441	1-216-809-11	METAL CHIP	100	5%	1/10W
R442	1-216-809-11	METAL CHIP	100	5%	1/10W
R443	1-216-809-11	METAL CHIP	100	5%	1/10W
R444	1-216-809-11	METAL CHIP	100	5%	1/10W
R445	1-216-809-11	METAL CHIP	100	5%	1/10W
R447	1-216-809-11	METAL CHIP	100	5%	1/10W
R448	1-216-809-11	METAL CHIP	100	5%	1/10W
R450	1-216-809-11	METAL CHIP	100	5%	1/10W
R451	1-216-809-11	METAL CHIP	100	5%	1/10W
R453	1-216-809-11	METAL CHIP	100	5%	1/10W
R454	1-216-809-11	METAL CHIP	100	5%	1/10W
R457	1-216-809-11	METAL CHIP	100	5%	1/10W
R458	1-216-809-11	METAL CHIP	100	5%	1/10W
R463	1-216-809-11	METAL CHIP	100	5%	1/10W
R466	1-216-833-11	METAL CHIP	10K	5%	1/10W
R467	1-216-809-11	METAL CHIP	100	5%	1/10W
R468	1-216-809-11	METAL CHIP	100	5%	1/10W
R469	1-216-809-11	METAL CHIP	100	5%	1/10W
R470	1-216-809-11	METAL CHIP	100	5%	1/10W
R471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R472	1-216-809-11	METAL CHIP	100	5%	1/10W
R473	1-216-809-11	METAL CHIP	100	5%	1/10W
R474	1-216-809-11	METAL CHIP	100	5%	1/10W
R475	1-216-809-11	METAL CHIP	100	5%	1/10W
R478	1-216-821-11	METAL CHIP	1K	5%	1/10W
R479	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-809-11	METAL CHIP	100	5%	1/10W
R484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R485	1-216-809-11	METAL CHIP	100	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R486	1-216-809-11	METAL CHIP	100	5%	1/10W
R487	1-216-833-11	METAL CHIP	10K	5%	1/10W
R488	1-216-809-11	METAL CHIP	100	5%	1/10W
R489	1-216-809-11	METAL CHIP	100	5%	1/10W
R490	1-216-809-11	METAL CHIP	100	5%	1/10W
R491	1-216-809-11	METAL CHIP	100	5%	1/10W
R492	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R493	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R494	1-216-809-11	METAL CHIP	100	5%	1/10W
R496	1-216-809-11	METAL CHIP	100	5%	1/10W
R499	1-216-809-11	METAL CHIP	100	5%	1/10W
R500	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R501	1-216-813-11	METAL CHIP	220	5%	1/10W
R502	1-216-821-11	METAL CHIP	1K	5%	1/10W
R503	1-216-864-11	SHORT CHIP	0		
R505	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R506	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R508	1-216-853-11	METAL CHIP	470K	5%	1/10W
R509	1-216-843-11	METAL CHIP	68K	5%	1/10W
R510	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R511	1-216-853-11	METAL CHIP	470K	5%	1/10W
R512	1-216-843-11	METAL CHIP	68K	5%	1/10W
R513	1-216-835-11	METAL CHIP	15K	5%	1/10W
R514	1-216-853-11	METAL CHIP	470K	5%	1/10W
R515	1-216-843-11	METAL CHIP	68K	5%	1/10W
R516	1-216-835-11	METAL CHIP	15K	5%	1/10W
R517	1-216-841-11	METAL CHIP	47K	5%	1/10W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-216-821-11	METAL CHIP	1K	5%	1/10W
R520	1-216-833-11	METAL CHIP	10K	5%	1/10W
R522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R523	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-841-11	METAL CHIP	47K	5%	1/10W
R528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R529	1-216-835-11	METAL CHIP	15K	5%	1/10W
R530	1-216-843-11	METAL CHIP	68K	5%	1/10W
R531	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R532	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-833-11	METAL CHIP	10K	5%	1/10W
R537	1-216-853-11	METAL CHIP	470K	5%	1/10W
R538	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R539	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R549	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R551	1-216-842-11	METAL CHIP	56K	5%	1/10W
R552	1-216-843-11	METAL CHIP	68K	5%	1/10W
R553	1-216-853-11	METAL CHIP	470K	5%	1/10W
R554	1-216-835-11	METAL CHIP	15K	5%	1/10W
R573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R575	1-216-833-11	METAL CHIP	10K	5%	1/10W
R576	1-216-821-11	METAL CHIP	1K	5%	1/10W
R577	1-216-841-11	METAL CHIP	47K	5%	1/10W
R578	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R579	1-215-889-51	METAL OXIDE	330	5%	2W F
R581	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R582	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R585	1-216-821-11	METAL CHIP	1K	5%	1/10W
R586	1-216-821-11	METAL CHIP	1K	5%	1/10W
R589	1-216-821-11	METAL CHIP	1K	5%	1/10W
R590	1-216-845-11	METAL CHIP	100K	5%	1/10W
R592	1-216-819-11	METAL CHIP	680	5%	1/10W
R593	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R594	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R595	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R612	1-216-864-11	SHORT CHIP	0		
R623	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R662	1-216-864-11	SHORT CHIP	0		
		< TRANSFORMADOR >			
T301	1-433-372-21	TRANSFORMER, BIAS OSCILLATION			

MAIN **MIC**

Ref. No.	Part No.	Description			Remark
		< OSCILADOR >			
X401	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)			
X402	1-795-058-21	VIBRATOR, CERAMIC (5MHz)			
**********					
		PLACA MIC , MONTADA			
		**********			
		< CAPACITOR >			
C1100	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1102	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1103	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1104	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1105	1-126-956-11	ELECT	0.1uF	20%	50V
C1106	1-126-163-11	ELECT	4.7uF	20%	50V
C1107	1-126-163-11	ELECT	4.7uF	20%	50V
C1108	1-126-160-11	ELECT	1uF	20%	50V
C1109	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1110	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1111	1-126-957-11	ELECT	0.22uF	20%	50V
C1112	1-126-160-11	ELECT	1uF	20%	50V
C1113	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C1114	1-126-163-11	ELECT	4.7uF	20%	50V
C1115	1-126-963-11	ELECT	4.7uF	20%	50V
C1116	1-126-947-11	ELECT	47uF	20%	35V
C1117	1-126-947-11	ELECT	47uF	20%	35V
C1119	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1121	1-126-957-11	ELECT	0.22uF	20%	50V
C1122	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C1123	1-126-947-11	ELECT	47uF	20%	35V
C1124	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V
C1125	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1126	1-126-934-11	ELECT	220uF	20%	16V
C1127	1-126-964-11	ELECT	10uF	20%	50V
C1128	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1129	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1133	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1134	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1135	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1139	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1142	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1144	1-124-261-00	ELECT	10uF	20%	50V
C1145	1-124-261-00	ELECT	10uF	20%	50V
		< CONECTOR >			
CN1102	1-785-329-11	PIN, CONNECTOR (90 GRAUS) 3P			
		< DIODO >			
D1100	6-501-193-01	DIODE 1SS355WTE-17			
D1101	6-501-193-01	DIODE 1SS355WTE-17			
D1102	8-719-069-54	DIODE UDZSTE-175.1B			
D1103	8-719-988-61	DIODE 1SS355TE-17			
D1104	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description			Remark
		< FERRITE BEAD/JUMPER RESISOR >			
FB902	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB1100	1-216-864-11	SHORT CHIP	0		
FB1101	1-216-864-11	SHORT CHIP	0		
		< IC >			
IC1100	6-709-116-01	IC TC9488FG			
IC1101	8-759-274-71	IC NJM4565M-(TE2)			
		< JACK >			
J1100	1-817-630-11	JACK (LARGE TYPE) (MIC 1)			
J1101	1-817-630-11	JACK (LARGE TYPE) (MIC 2)			
J1102	1-764-592-21	JACK 3P (VIDEO INPUT AUDIO/VIDEO)			
J1103	1-794-702-11	JACK, HEADPHONE (PHONES)			
		< RESISTOR >			
R1100	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1102	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1103	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1104	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1105	1-216-809-11	METAL CHIP	100	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-809-11	METAL CHIP	100	5%	1/10W
R1108	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1109	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1110	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1111	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1113	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1114	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1115	1-216-815-11	METAL CHIP	330	5%	1/10W
R1116	1-216-815-11	METAL CHIP	330	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1119	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1120	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R1121	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1122	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1123	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1127	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1128	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1130	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1131	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1132	1-216-864-11	SHORT CHIP	0		
R1137	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1138	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1139	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1140	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1147	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1152	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1156	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
		< RESISTOR VARIAVEL>			
RV1100	1-227-452-11	RES, VAR, CARBON 50K (ECHO LEVEL)			
RV1101	1-227-452-11	RES, VAR, CARBON 50K (MIC 2 LEVEL)			
RV1102	1-227-452-11	RES, VAR, CARBON 50K (MIC 1 LEVEL)			
**********					

MOTOR (LD) **MOTOR (TB)** **PA**

Ref. No.	Part No.	Description			Remark
	1-687-133-12	PLACA MOTOR (LD)			
		**********			
**********					
	1-687-134-12	PLACA MOTOR (TB)			
		**********			
		< CONECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P			
**********					
		PLACA PA , MONTADA			
		**********			
		< CAPACITOR >			
C600	1-126-963-11	ELECT	4.7uF	20%	50V
C601	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C602	1-126-934-11	ELECT	220uF	20%	16V
C603	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C604	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C605	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C606	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C608	1-126-965-11	ELECT	22uF	20%	50V
C609	1-128-582-11	ELECT	10uF	20%	100V
C610	1-128-582-11	ELECT	10uF	20%	100V
C616	1-136-495-11	FILM	0.068uF	5%	50V
C617	1-136-495-11	FILM	0.068uF	5%	50V
C618	1-128-560-11	ELECT	22uF	20%	100V
C619	1-128-560-11	ELECT	22uF	20%	100V
C634	1-104-665-11	ELECT	100uF	20%	25V
C635	1-104-665-11	ELECT	100uF	20%	25V
C636	1-107-721-11	ELECT	4.7uF	20%	100V
C637	1-107-721-11	ELECT	4.7uF	20%	100V
C648	1-104-665-11	ELECT	100uF	20%	25V
C649	1-126-964-11	ELECT	10uF	20%	50V
C650	1-126-963-11	ELECT	4.7uF	20%	50V
C651	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C652	1-126-934-11	ELECT	220uF	20%	16V
C653	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C654	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C655	1-126-964-11	ELECT	10uF	20%	50V
C656	1-127-815-11	ELECT	3300uF	20%	100V
C658	1-112-032-11	ELECT	4700uF	20%	63V
C660	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C666	1-136-495-11	FILM	0.068uF	5%	50V
C667	1-136-495-11	FILM	0.068uF	5%	50V
C676	1-127-815-11	ELECT	3300uF	20%	100V
C678	1-112-032-11	ELECT	4700uF	20%	63V
C681	1-131-992-11	CERAMIC CHIP	100000PF		35V
C682	1-131-992-11	CERAMIC CHIP	100000PF		35V
C683	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C691	1-131-992-11	CERAMIC CHIP	100000PF		35V

Ref. No.	Part No.	Description			Remark
C692	1-131-992-11	CERAMIC CHIP	100000PF		35V
C693	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONECTOR >			
CN600	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P			
CN601	1-784-031-41	CONNECTOR, BOARD TO BOARD 8P			
* CN602	1-564-512-11	PLUG, CONNECTOR 9P			
* CN607	1-564-508-51	PLUG, CONNECTOR 5P			
		< DIODO >			
D609	6-501-193-01	DIODE 1SS355WTE-17			
D611	6-500-031-01	DIODE MM3Z18VST1			
D612	6-500-031-01	DIODE MM3Z18VST1			
D620	6-501-193-01	DIODE 1SS355WTE-17			
D624	6-501-193-01	DIODE 1SS355WTE-17			
D646	6-501-193-01	DIODE 1SS355WTE-17			
D654	6-501-193-01	DIODE 1SS355WTE-17			
D655	6-501-193-01	DIODE 1SS355WTE-17			
D660	6-501-193-01	DIODE 1SS355WTE-17			
D661	6-501-193-01	DIODE 1SS355WTE-17			
D670	6-501-193-01	DIODE 1SS355WTE-17			
		< IC >			
IC600	6-600-169-01	IC STK412-240M-E			
		< JUMPER RESISTOR >			
JR600	1-216-296-11	SHORT CHIP	0		
JR601	1-216-296-11	SHORT CHIP	0		
JR602	1-216-296-11	SHORT CHIP	0		
JR603	1-216-296-11	SHORT CHIP	0		
JR612	1-216-864-11	SHORT CHIP	0		
		< BOBINA >			
L680	1-420-872-52	BOBINA NUCLEO DE AR			
L690	1-420-872-52	BOBINA NUCLEO DE AR			
		< TRANSISTOR >			
Q604	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q606	8-729-824-00	TRANSISTOR	2SA1207		
Q610	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q618	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q628	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q630	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q634	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q640	8-729-023-22	TRANSISTOR	2SD2114K		
Q641	8-729-023-22	TRANSISTOR	2SD2114K		
Q644	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q647	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q648	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q668	8-729-041-68	TRANSISTOR	22SC3906K-T146E		
Q682	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
		< RESISTOR >			
R600	1-216-821-11	METAL CHIP	1K	5%	1/10W
R601	1-216-841-11	METAL CHIP	47K	5%	1/10W
R602	1-216-816-11	METAL CHIP	390	5%	1/10W
R603	1-216-841-11	METAL CHIP	47K	5%	1/10W

PA **PANEL**

Ref. No.	Part No.	Description			Remark
R604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R606	1-216-841-11	METAL CHIP	47K	5%	1/10W
R607	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R609	1-216-843-11	METAL CHIP	68K	5%	1/10W
R610	1-216-843-11	METAL CHIP	68K	5%	1/10W
R611	1-216-839-11	METAL CHIP	33K	5%	1/10W
⚠R612	1-245-605-51	FUSIBLE	100	5%	1/4W F
⚠R613	1-215-869-11	METAL OXIDE	1K	5%	1W F
⚠R614	1-215-869-11	METAL OXIDE	1K	5%	1W F
⚠R615	1-245-605-51	FUSIBLE	100	5%	1/4W F
⚠R616	1-217-637-51	FUSIBLE	1	5%	1/4W F
R617	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠R618	1-234-499-21	ENCAPSULATED COMPONENT	0.22		5W F
R619	1-216-821-11	METAL CHIP	1K	5%	1/10W
R620	1-216-836-11	METAL CHIP	18K	5%	1/10W
R621	1-216-847-11	METAL CHIP	150K	5%	1/10W
R622	1-245-711-31	CARBON	10	5%	1/2W
R623	1-216-843-11	METAL CHIP	68K	5%	1/10W
R624	1-216-837-11	METAL CHIP	22K	5%	1/10W
R625	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R628	1-216-837-11	METAL CHIP	22K	5%	1/10W
R629	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R630	1-216-845-11	METAL CHIP	100K	5%	1/10W
R631	1-216-845-11	METAL CHIP	100K	5%	1/10W
R633	1-216-864-11	SHORT CHIP	0		
R634	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R635	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R636	1-216-456-00	METAL OXIDE	820	5%	2W F
⚠R637	1-216-456-00	METAL OXIDE	820	5%	2W F
R638	1-216-845-11	METAL CHIP	100K	5%	1/10W
R639	1-216-845-11	METAL CHIP	100K	5%	1/10W
R640	1-216-821-11	METAL CHIP	1K	5%	1/10W
R641	1-216-821-11	METAL CHIP	1K	5%	1/10W
R642	1-216-811-11	METAL CHIP	150	5%	1/10W
R643	1-216-811-11	METAL CHIP	150	5%	1/10W
R644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R645	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R646	1-260-087-31	CARBON	100	5%	1/2W F
R647	1-216-821-11	METAL CHIP	1K	5%	1/10W
R648	1-216-837-11	METAL CHIP	22K	5%	1/10W
R649	1-216-837-11	METAL CHIP	22K	5%	1/10W
R650	1-216-821-11	METAL CHIP	1K	5%	1/10W
R651	1-216-841-11	METAL CHIP	47K	5%	1/10W
R652	1-216-816-11	METAL CHIP	390	5%	1/10W
R653	1-216-841-11	METAL CHIP	47K	5%	1/10W
R654	1-216-841-11	METAL CHIP	47K	5%	1/10W
R655	1-216-841-11	METAL CHIP	47K	5%	1/10W
R656	1-216-849-11	METAL CHIP	220K	5%	1/10W
R657	1-216-849-11	METAL CHIP	220K	5%	1/10W
R658	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R660	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R661	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R662	1-216-811-11	METAL CHIP	150	5%	1/10W
R663	1-216-811-11	METAL CHIP	150	5%	1/10W
⚠R668	1-234-499-21	ENCAPSULATED COMPONENT	0.22		5W F
R669	1-216-821-11	METAL CHIP	1K	5%	1/10W
R670	1-216-836-11	METAL CHIP	18K	5%	1/10W
R671	1-216-847-11	METAL CHIP	150K	5%	1/10W
R672	1-245-711-31	CARBON	10	5%	1/2W
R673	1-216-842-11	METAL CHIP	56K	5%	1/10W
R674	1-216-837-11	METAL CHIP	22K	5%	1/10W
R676	1-216-849-11	METAL CHIP	220K	5%	1/10W
R677	1-216-849-11	METAL CHIP	220K	5%	1/10W
R678	1-216-845-11	METAL CHIP	100K	5%	1/10W
R680	1-245-711-31	CARBON	10	5%	1/2W
R681	1-245-711-31	CARBON	10	5%	1/2W
R682	1-216-821-11	METAL CHIP	1K	5%	1/10W
R683	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R685	1-216-833-11	METAL CHIP	10K	5%	1/10W
R690	1-245-711-31	CARBON	10	5%	1/2W
R691	1-245-711-31	CARBON	10	5%	1/2W
R692	1-216-841-11	METAL CHIP	47K	5%	1/10W
R693	1-216-845-11	METAL CHIP	100K	5%	1/10W
R694	1-216-843-11	METAL CHIP	68K	5%	1/10W
R695	1-216-845-11	METAL CHIP	100K	5%	1/10W
R696	1-216-845-11	METAL CHIP	100K	5%	1/10W
R697	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R698	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< RELÊ >			
RY646	1-755-500-11	RELAY			
		< TERMISTOR >			
TH629	1-807-796-21	THERMISTOR			
TH630	1-807-796-21	THERMISTOR			
		< TERMINAL >			
TM600	1-780-001-21	TERMINAL BOARD (SPEAKER)			
					(FRONT SPEAKER)
**********					
		PLACA PAINEL , MONTADA			
		**********			
		< CAPACITOR >			
C900	1-126-163-11	ELECT	4.7uF	20%	50V
C901	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C902	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C903	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C904	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C905	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C906	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C908	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C909	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C910	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C916	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C917	1-164-156-11	CERAMIC CHIP	0.1uF		25V

PANEL

Ref. No.	Part No.	Description			Remark
C920	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C922	1-119-941-11	ELECT	470uF	20%	6.3V
C923	1-119-941-11	ELECT	470uF	20%	6.3V
C924	1-119-941-11	ELECT	470uF	20%	6.3V
C925	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C926	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C927	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C928	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C929	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C930	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C931	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C932	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C933	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C934	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C935	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C936	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C937	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C938	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C939	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C940	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C941	1-124-261-00	ELECT	10uF	20%	50V
C942	1-124-261-00	ELECT	10uF	20%	50V
C943	1-124-261-00	ELECT	10uF	20%	50V
C945	1-115-156-11	CERAMIC CHIP	1uF		10V
C946	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C947	1-115-156-11	CERAMIC CHIP	1uF		10V
C948	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C949	1-115-156-11	CERAMIC CHIP	1uF		10V
C950	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C951	1-115-156-11	CERAMIC CHIP	1uF		10V
C952	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C953	1-115-156-11	CERAMIC CHIP	1uF		10V
C954	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C955	1-115-156-11	CERAMIC CHIP	1uF		10V
C956	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C957	1-115-156-11	CERAMIC CHIP	1uF		10V
C958	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C959	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C961	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C962	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C964	1-124-589-11	ELECT	47uF	20%	16V
C967	1-124-261-00	ELECT	10uF	20%	50V
C972	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C973	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C974	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C975	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C977	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C978	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C979	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C980	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C981	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C982	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C983	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1180	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CONECTOR >			
CN900	1-784-739-11	CONNECTOR, FFC 17P			
CN902	1-784-739-11	CONNECTOR, FFC 17P			
		< DIODO >			
D901	6-501-193-01	DIODE 1SS355WTE-17			
D905	8-719-069-57	DIODE UDZSTE-176,8B			
D908	8-719-064-63	LED SELU5823C-TP15 (DVD)			
D909	8-719-064-63	LED SELU5823C-TP15 (TUNER/BAND)			
D910	8-719-064-63	LED SELU5823C-TP15 (TAPE A/B)			
D911	8-719-064-63	LED SELU5823C-TP15 (◀▶ (AMBER))			
D913	8-719-064-63	LED SELU5823C-TP15 (PRESET + ▶▶I)			
D914	8-719-064-63	LED SELU5823C-TP15 (PRESET – I◀◀)			
D915	6-501-228-01	LED SELU5420E-STP15 (◀▶ (GRN))			
D916	8-719-064-63	LED SELU5823C-TP15 (TV/SAT)			
D917	8-719-064-63	LED SELU5823C-TP15 (VIDEO)			
D927	6-500-809-01	LED SELU5223C-STP15 (I/⏻ (GRN))			
D928	6-501-228-01	LED SELU5420E-STP15 (I/⏻ (RED))			
D929	8-719-064-63	LED SELU5823C-TP15 (TUNING + ▶▶ I►)			
D930	8-719-064-63	LED SELU5823C-TP15 (TUNING – ◀◀ ◄I)			
D931	6-501-193-01	DIODE 1SS355WTE-17			
D932	6-501-193-01	DIODE 1SS355WTE-17			
D1145	8-719-064-63	LED SELU5823C-TP15 (▮▮)			
D1153	8-719-064-63	LED SELU5823C-TP15 (■)			
		< JUMPER RESISTOR >			
FB901	1-216-864-11	SHORT CHIP	0		
		< DISPLAY FLUORESCENTE >			
FL901	1-519-794-11	VACUUM FLUORESCENT DISPLAYS			
		< IC >			
IC902	6-806-206-01	IC MB90M407PF-G-149E1			
IC903	6-600-309-01	IC RPM7240-H9			
IC904	6-705-678-01	IC NJM2760V-TE2			
		< JUMPER RESISTOR >			
JR904	1-216-864-11	SHORT CHIP	0		
JR914	1-216-864-11	SHORT CHIP	0		
JR925	1-216-296-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q901	8-729-027-56	TRANSISTOR	DTC143TKA-T146		
Q902	8-729-027-56	TRANSISTOR	DTC143TKA-T146		
Q903	8-729-027-29	TRANSISTOR	DTA123JKA-T146		
Q904	8-729-903-54	TRANSISTOR	2SB1132-T100R		
Q905	8-729-903-54	TRANSISTOR	2SB1132-T100R		
Q906	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q907	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q908	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q909	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q910	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q914	8-729-027-56	TRANSISTOR	DTC143TKA-T146		
Q917	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q918	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q919	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
		< RESISTOR >			
R900	1-216-833-11	METAL CHIP	10K	5%	1/10W

PANEL **PRIMARY**

Ref. No.	Part No.	Description			Remark
R901	1-216-833-11	METAL CHIP	10K	5%	1/10W
R902	1-216-833-11	METAL CHIP	10K	5%	1/10W
R903	1-216-809-11	METAL CHIP	100	5%	1/10W
R904	1-216-809-11	METAL CHIP	100	5%	1/10W
R905	1-216-835-11	METAL CHIP	15K	5%	1/10W
R906	1-216-835-11	METAL CHIP	15K	5%	1/10W
R907	1-216-835-11	METAL CHIP	15K	5%	1/10W
R908	1-216-809-11	METAL CHIP	100	5%	1/10W
R909	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R910	1-216-819-11	METAL CHIP	680	5%	1/10W
R912	1-216-809-11	METAL CHIP	100	5%	1/10W
R914	1-216-819-11	METAL CHIP	680	5%	1/10W
R916	1-216-819-11	METAL CHIP	680	5%	1/10W
R918	1-216-845-11	METAL CHIP	100K	5%	1/10W
R919	1-216-845-11	METAL CHIP	100K	5%	1/10W
R920	1-216-845-11	METAL CHIP	100K	5%	1/10W
R922	1-216-857-11	METAL CHIP	1M	5%	1/10W
R923	1-216-819-11	METAL CHIP	680	5%	1/10W
R941	1-216-809-11	METAL CHIP	100	5%	1/10W
R942	1-216-809-11	METAL CHIP	100	5%	1/10W
R943	1-216-833-11	METAL CHIP	10K	5%	1/10W
R944	1-216-805-11	METAL CHIP	47	5%	1/10W
R947	1-216-821-11	METAL CHIP	1K	5%	1/10W
R948	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R949	1-216-821-11	METAL CHIP	1K	5%	1/10W
R950	1-216-821-11	METAL CHIP	1K	5%	1/10W
R951	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R952	1-216-821-11	METAL CHIP	1K	5%	1/10W
R953	1-216-821-11	METAL CHIP	1K	5%	1/10W
R954	1-216-833-11	METAL CHIP	10K	5%	1/10W
R956	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R957	1-216-819-11	METAL CHIP	680	5%	1/10W
R964	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R965	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R966	1-216-833-11	METAL CHIP	10K	5%	1/10W
R967	1-216-835-11	METAL CHIP	15K	5%	1/10W
R968	1-216-837-11	METAL CHIP	22K	5%	1/10W
R974	1-216-819-11	METAL CHIP	680	5%	1/10W
R979	1-216-805-11	METAL CHIP	47	5%	1/10W
R980	1-216-821-11	METAL CHIP	1K	5%	1/10W
R981	1-216-809-11	METAL CHIP	100	5%	1/10W
R982	1-216-817-11	METAL CHIP	470	5%	1/10W
R983	1-216-842-11	METAL CHIP	56K	5%	1/10W
R984	1-216-839-11	METAL CHIP	33K	5%	1/10W
R987	1-216-819-11	METAL CHIP	680	5%	1/10W
R990	1-216-819-11	METAL CHIP	680	5%	1/10W
R997	1-216-819-11	METAL CHIP	680	5%	1/10W
R1007	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1008	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1009	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1011	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1012	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1013	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1021	1-216-809-11	METAL CHIP	100	5%	1/10W
R1022	1-216-809-11	METAL CHIP	100	5%	1/10W
R1023	1-216-809-11	METAL CHIP	100	5%	1/10W
R1024	1-216-809-11	METAL CHIP	100	5%	1/10W
R1025	1-216-809-11	METAL CHIP	100	5%	1/10W
R1026	1-216-809-11	METAL CHIP	100	5%	1/10W
R1027	1-216-809-11	METAL CHIP	100	5%	1/10W
R1028	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-819-11	METAL CHIP	680	5%	1/10W
R1136	1-216-819-11	METAL CHIP	680	5%	1/10W
R1141	1-216-819-11	METAL CHIP	680	5%	1/10W
R1178	1-216-801-11	METAL CHIP	22	5%	1/10W
R1180	1-216-808-11	METAL CHIP	82	5%	1/10W
R1181	1-216-814-11	METAL CHIP	270	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
		< CHAVE >			
S907	1-762-875-21	SWITCH, KEYBOARD (◀▶)			
S908	1-762-875-21	SWITCH, KEYBOARD (❚❚)			
S909	1-762-875-21	SWITCH, KEYBOARD (■)			
S910	1-762-875-21	SWITCH, KEYBOARD (PRESET + ▶▶❙)			
S911	1-762-875-21	SWITCH, KEYBOARD (PRESET – ❙◀◀)			
S912	1-762-875-21	SWITCH, KEYBOARD (TUNING + ▶▶ ❙►)			
S913	1-762-875-21	SWITCH, KEYBOARD (TUNING – ◀◀ ◄❙)			
S921	1-762-875-21	SWITCH, KEYBOARD (VIDEO)			
S922	1-762-875-21	SWITCH, KEYBOARD (TV/SAT)			
S923	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)			
S924	1-762-875-21	SWITCH, KEYBOARD (TUNER/BAND)			
S925	1-762-875-21	SWITCH, KEYBOARD (DVD)			
S927	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			
		< OSCILADOR >			
X901	1-577-082-31	VIBRATOR, CERAMIC (4MHz)			
**********					
		PLACA PRIMARY **********			
		< CAPACITOR >			
⚠C1200	1-113-924-11	CERAMIC	0.0047uF	20%	25V
C1201	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1206	1-126-916-11	ELECT	1000uF	20%	6.3V
		< CONECTOR >			
CN1200	1-785-329-11	PIN, CONNECTOR (90 GRAUS) 3P			
CN1202	1-564-321-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN1204	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
		< DIODO >			
D1200	6-501-193-01	DIODE 1SS355WTE-17			
		< JUMPER RESISTOR >			
JR1202	1-216-864-11	SHORT CHIP	0		

PRIMARY SENSOR SURROUND

Ref. No.	Part No.	Description			Remark
		< BOBINA >			
L1201	1-410-666-41	INDUCTOR	18uH		
		< TRANSISTOR >			
Q1200	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
		< RESISTOR >			
R1200	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1201	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< RELÊ >			
⚠RY1200	1-755-299-11	RELAY			
		< CHAVE >			
⚠S1200	1-771-291-31	SWITCH, POWER (SELETOR DE VOLTAGEM)			
**********					
	1-687-132-12	PLACA SENSOR			
		**********			
		< CONECTOR >			
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P			
		< IC >			
IC731	6-600-022-01	IC RPI-576			
**********					
		PLACA SURROUND ,MONTADA			
		**********			
		< CAPACITOR >			
C700	1-126-963-11	ELECT	4.7uF	20%	50V
C701	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C702	1-126-934-11	ELECT	220uF	20%	16V
C703	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C704	1-126-963-11	ELECT	4.7uF	20%	50V
C711	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C712	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C721	1-126-965-11	ELECT	22uF	20%	50V
C730	1-136-495-11	FILM	0.068uF	5%	50V
C731	1-136-495-11	FILM	0.068uF	5%	50V
C732	1-131-992-11	CERAMIC CHIP	100000PF		35V
C733	1-131-992-11	CERAMIC CHIP	100000PF		35V

Ref. No.	Part No.	Description			Remark
C750	1-126-963-11	ELECT	4.7uF	20%	50V
C751	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C752	1-126-934-11	ELECT	220uF	20%	16V
C753	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C754	1-126-963-11	ELECT	4.7uF	20%	50V
C780	1-136-495-11	FILM	0.068uF	5%	50V
C781	1-136-495-11	FILM	0.068uF	5%	50V
C782	1-131-992-11	CERAMIC CHIP	100000PF		35V
C783	1-131-992-11	CERAMIC CHIP	100000PF		35V
C792	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C793	1-128-563-11	ELECT	100uF	20%	100V
C794	1-128-563-11	ELECT	100uF	20%	100V
C795	1-128-560-11	ELECT	22uF	20%	100V
C796	1-128-560-11	ELECT	22uF	20%	100V
C800	1-126-963-11	ELECT	4.7uF	20%	50V
C802	1-104-665-11	ELECT	100uF	20%	25V
C803	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C804	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C805	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C806	1-126-961-11	ELECT	2.2uF	20%	50V
C808	1-131-749-11	CERAMIC CHIP	8.2PF		50V
C820	1-126-964-11	ELECT	10uF	20%	50V
C825	1-126-968-11	ELECT	100uF	20%	50V
C826	1-126-968-11	ELECT	100uF	20%	50V
C838	1-136-495-11	FILM	0.068uF	5%	50V
C839	1-136-495-11	FILM	0.068uF	5%	50V
C843	1-126-963-11	ELECT	4.7uF	20%	50V
C850	1-126-963-11	ELECT	4.7uF	20%	50V
C851	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C852	1-104-665-11	ELECT	100uF	20%	25V
C853	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C858	1-131-749-11	CERAMIC CHIP	8.2PF		50V
C888	1-136-495-11	FILM	0.068uF	5%	50V
C889	1-136-495-11	FILM	0.068uF	5%	50V
		< CONECTOR >			
CN700	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P			
CN701	1-784-031-41	CONNECTOR, BOARD TO BOARD 8P			
		< DIODO >			
D710	8-719-083-66	DIODE UDZSTE-1718B			

SURROUND

Ref. No.	Part No.	Description			Remark
D711	8-719-083-66	DIODE UDZSTE-1718B			
D720	6-501-193-01	DIODE 1SS355WTE-17			
D730	6-501-193-01	DIODE 1SS355WTE-17			
D762	6-501-193-01	DIODE 1SS355WTE-17			
D763	6-501-193-01	DIODE 1SS355WTE-17			
D764	6-501-193-01	DIODE 1SS355WTE-17			
D780	6-501-193-01	DIODE 1SS355WTE-17			
D800	6-501-193-01	DIODE 1SS355WTE-17			
D810	6-501-193-01	DIODE 1SS355WTE-17			
D811	6-501-193-01	DIODE 1SS355WTE-17			
D812	6-501-193-01	DIODE 1SS355WTE-17			
D850	6-501-193-01	DIODE 1SS355WTE-17			
		< IC >			
IC702	6-600-169-01	IC STK412-240M-E			
IC800	6-600-089-01	IC STK403-070			
		< JUMPER RESISTOR >			
JR700	1-216-296-11	SHORT CHIP	0		
JR797	1-216-296-11	SHORT CHIP	0		
		< BOBINA >			
L730	1-420-872-52	COIL, AIR-CORE			
L780	1-420-872-52	COIL, AIR-CORE			
		< TRANSISTOR >			
Q700	8-729-023-23	TRANSISTOR	2SD2114K		
Q720	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q721	8-729-824-00	TRANSISTOR	2SA1207		
Q722	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q730	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q750	8-729-023-22	TRANSISTOR	2SD2114K		
Q763	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q765	8-729-023-22	TRANSISTOR	2SD2114K		
Q780	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q800	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q810	8-729-023-22	TRANSISTOR	2SD2114K		
Q812	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
Q814	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q815	8-729-600-91	TRANSISTOR	2SC3052F-T1-LF		
Q850	8-729-041-68	TRANSISTOR	2SC3906K-T146E		
		< RESISTOR >			
R700	1-216-821-11	METAL CHIP	1K	5%	1/10W
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R702	1-218-482-11	METAL CHIP	430	5%	1/10W (ZX80D)
R703	1-216-821-11	METAL CHIP	1K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-841-11	METAL CHIP	47K	5%	1/10W
R706	1-216-833-11	METAL CHIP	10K	5%	1/10W
R711	1-216-841-11	METAL CHIP	47K	5%	1/10W
R712	1-216-841-11	METAL CHIP	47K	5%	1/10W
R720	1-216-833-11	METAL CHIP	10K	5%	1/10W
R721	1-216-833-11	METAL CHIP	10K	5%	1/10W
R722	1-216-837-11	METAL CHIP	22K	5%	1/10W
R723	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R724	1-216-839-11	METAL CHIP	33K	5%	1/10W
R725	1-216-841-11	METAL CHIP	47K	5%	1/10W
R726	1-216-839-11	METAL CHIP	33K	5%	1/10W
R727	1-216-839-11	METAL CHIP	33K	5%	1/10W
⚠R730	1-234-499-21	ENCAPSULATED COMPONENT	0.22		5W F
R731	1-216-821-11	METAL CHIP	1K	5%	1/10W
R732	1-216-838-11	METAL CHIP	27K	5%	1/10W
R733	1-216-845-11	METAL CHIP	100K	5%	1/10W
R734	1-216-842-11	METAL CHIP	56K	5%	1/10W
R735	1-245-711-31	CARBON	10	5%	1/2W
R736	1-245-711-31	CARBON	10	5%	1/2W
R737	1-245-711-31	CARBON	10	5%	1/2W
R750	1-216-821-11	METAL CHIP	1K	5%	1/10W
R751	1-216-841-11	METAL CHIP	47K	5%	1/10W
R752	1-218-482-11	METAL CHIP	430	5%	1/10W
R753	1-216-821-11	METAL CHIP	1K	5%	1/10W
R754	1-216-833-11	METAL CHIP	10K	5%	1/10W
R755	1-216-841-11	METAL CHIP	47K	5%	1/10W
R756	1-216-833-11	METAL CHIP	10K	5%	1/10W
R761	1-216-845-11	METAL CHIP	100K	5%	1/10W
R762	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠R764	1-260-086-31	CARBON	82	5%	1/2W F

SURROUND **SW** **TRANS**

Ref. No.	Part No.	Description			Remark
R768	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R769	1-216-837-11	METAL CHIP	22K	5%	1/10W
R778	1-216-841-11	METAL CHIP	47K	5%	1/10W
R779	1-216-841-11	METAL CHIP	47K	5%	1/10W
⚠R780	1-234-499-21	ENCAPSULATED COMPONENT	0.22		5W F
R781	1-216-821-11	METAL CHIP	1K	5%	1/10W
R782	1-216-838-11	METAL CHIP	27K	5%	1/10W
R783	1-216-845-11	METAL CHIP	100K	5%	1/10W
R784	1-216-841-11	METAL CHIP	47K	5%	1/10W
R785	1-245-711-31	CARBON	10	5%	1/2W
R786	1-245-711-31	CARBON	10	5%	1/2W
R787	1-245-711-31	CARBON	10	5%	1/2W
R792	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠R793	1-217-637-51	FUSIBLE	1	5%	1/4W F
⚠R794	1-245-605-51	FUSIBLE	100	5%	1/4W F
⚠R795	1-245-605-51	FUSIBLE	100	5%	1/4W F
⚠R796	1-215-872-11	METAL OXIDE	3.3K	5%	1W F
R797	1-216-837-11	METAL CHIP	22K	5%	1/10W
R798	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠R799	1-215-872-11	METAL OXIDE	3.3K	5%	1W F
R800	1-216-821-11	METAL CHIP	1K	5%	1/10W
R801	1-216-841-11	METAL CHIP	47K	5%	1/10W
R802	1-216-821-11	METAL CHIP	1K	5%	1/10W
R803	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠R804	1-217-637-51	FUSIBLE	1	5%	1/4W F
⚠R805	1-217-637-51	FUSIBLE	1	5%	1/4W F
R806	1-216-821-11	METAL CHIP	1K	5%	1/10W
R807	1-216-841-11	METAL CHIP	47K	5%	1/10W
R808	1-216-841-11	METAL CHIP	47K	5%	1/10W
R812	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R814	1-216-833-11	METAL CHIP	10K	5%	1/10W
R817	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R827	1-245-605-51	FUSIBLE	100	5%	1/4W F

Ref. No.	Part No.	Description			Remark
⚠R828	1-245-605-51	FUSIBLE	100	5%	1/4W F
⚠R838	1-245-233-11	METAL	0.22	10%	5W F
R839	1-216-821-11	METAL CHIP	1K	5%	1/10W
R840	1-216-837-11	METAL CHIP	22K	5%	1/10W
R841	1-216-845-11	METAL CHIP	100K	5%	1/10W
R842	1-245-711-31	CARBON	10	5%	1/2W
R843	1-216-841-11	METAL CHIP	47K	5%	1/10W
R850	1-216-821-11	METAL CHIP	1K	5%	1/10W
R851	1-216-841-11	METAL CHIP	47K	5%	1/10W
R852	1-216-814-11	METAL CHIP	270	5%	1/10W
R858	1-216-841-11	METAL CHIP	47K	5%	1/10W
R860	1-216-842-11	METAL CHIP	56K	5%	1/10W
R861	1-216-841-11	METAL CHIP	47K	5%	1/10W
⚠R862	1-260-086-31	CARBON	82	5%	1/2W F
R863	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R864	1-216-837-11	METAL CHIP	22K	5%	1/10W
R865	1-216-821-11	METAL CHIP	1K	5%	1/10W
R866	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠R888	1-245-233-11	METAL	0.22	10%	5W F
R889	1-216-821-11	METAL CHIP	1K	5%	1/10W
R890	1-216-837-11	METAL CHIP	22K	5%	1/10W
R891	1-216-845-11	METAL CHIP	100K	5%	1/10W
R892	1-245-711-31	CARBON	10	5%	1/2W
		< RELÊ>			
RY760	1-755-500-11	RELAY			
RY862	1-755-500-11	RELAY			
		< TERMINAL >			
TM700	1-780-001-21	TERMINAL BOARD (SPEAKER) (CENTER SPEAKER)			
TM701	1-780-170-21	TERMINAL BOARD (SPEAKER) (SURR SPEAKER)			
**********					
	1-687-669-12	PLACA SW			
		*********			
		< CHAVE >			
S751	1-786-514-31	SWITCH, LEVER (SLIDE) (DISC TABLE OPEN/CLOSE DETECT)			
**********					
		PLACA TRANS			
		**********			
		< CAPACITOR >			
C1262	1-126-964-11	ELECT	10uF	20%	50V
C1263	1-126-968-11	ELECT	100uF	20%	50V
C1292	1-128-576-11	ELECT	100uF	20%	63V

TRANS **VIDEO**

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
* CN1212	1-564-522-11	PLUG, CONNECTOR 7P			
* CN1213	1-564-523-11	PLUG, CONNECTOR 8P			
		< DIODO>			
* D1264	8-719-071-83	DIODE HZU36BTRF			
D1292	6-500-522-21	DIODE 10EDB40-TB3			
		< SUPORTE DO FUSIVEL>			
FH1241	1-533-217-41	HOLDER, FUSE			
FH1242	1-533-217-41	HOLDER, FUSE			
FH1251	1-533-217-41	HOLDER, FUSE			
FH1252	1-533-217-41	HOLDER, FUSE			
FH1261	1-533-217-41	HOLDER, FUSE			
FH1262	1-533-217-41	HOLDER, FUSE			
FH1271	1-533-217-41	HOLDER, FUSE			
FH1272	1-533-217-41	HOLDER, FUSE			
FH1281	1-533-217-41	HOLDER, FUSE			
FH1282	1-533-217-41	HOLDER, FUSE			
FH1291	1-533-217-41	HOLDER, FUSE			
FH1292	1-533-217-41	HOLDER, FUSE			
		< TRANSISTOR >			
Q1264	8-729-024-93	TRANSISTOR	2SB1565E		
		< RESISTOR >			
R1262	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1263	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1264	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠R1292	1-219-124-51	FUSIBLE	0.68	5%	1/4W F
**********					
		PLACA VIDEO , MONTADA			
		**********			
		< CAPACITOR >			
C800	1-126-960-11	ELECT	1uF	20%	50V
C801	1-126-960-11	ELECT	1uF	20%	50V
C802	1-126-960-11	ELECT	1uF	20%	50V
C803	1-126-965-11	ELECT	22uF	20%	50V
C804	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C805	1-126-960-11	ELECT	1uF	20%	50V
C806	1-126-960-11	ELECT	1uF	20%	50V
C807	1-126-960-11	ELECT	1uF	20%	50V
C808	1-104-665-11	ELECT	100uF	20%	25V
C809	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C810	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C811	1-126-916-11	ELECT	1000uF	20%	6.3V
C812	1-126-916-11	ELECT	1000uF	20%	6.3V
C813	1-126-916-11	ELECT	1000uF	20%	6.3V
C814	1-126-916-11	ELECT	1000uF	20%	6.3V
C815	1-126-916-11	ELECT	1000uF	20%	6.3V

Ref. No.	Part No.	Description			Remark
C816	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C817	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C818	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C819	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C820	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C821	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C822	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C823	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C824	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C825	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C826	1-126-964-11	ELECT	10uF	20%	50V
C827	1-126-964-11	ELECT	10uF	20%	50V
C829	1-126-916-11	ELECT	1000uF	20%	6.3V
C830	1-104-665-11	ELECT	100uF	20%	25V
C831	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONECTOR >			
CN800	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
CN801	1-779-281-11	FFC CONNECTOR (LIF (NON-ZIF)) 13P			
CN802	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
		< JUMPER RESISTOR >			
FB800	1-216-864-11	SHORT CHIP	0		
FB801	1-216-864-11	SHORT CHIP	0		
FB802	1-216-864-11	SHORT CHIP	0		
FB803	1-216-864-11	SHORT CHIP	0		
FB804	1-216-864-11	SHORT CHIP	0		
FB805	1-216-864-11	SHORT CHIP	0		
FB806	1-216-864-11	SHORT CHIP	0		
		< IC >			
IC800	8-759-295-90	IC NJM2244M-TE2			
IC801	6-705-602-01	IC MM1623BFBE			
		< JACK/TERMINAL >			
J800	1-817-449-11	JACK, PIN 3P (COMPONET VIDEO OUT)			
J801	1-537-943-11	TERMINAL, S (S VIDEO OUT)			
J802	1-785-867-11	JACK, PIN 1P (VIDEO OUT)			
		< CAPACITOR/JUMPER RESISTOR >			
JR800	1-216-864-11	SHORT CHIP	0		
JR802	1-216-864-11	SHORT CHIP	0		
JR803	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
JR804	1-216-864-11	SHORT CHIP	0		
		< BOBINA >			
L801	1-414-183-31	INDUCTOR	10uH		
		< RESISTOR >			
R800	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-218-285-11	METAL CHIP	75	5%	1/10W
R803	1-218-285-11	METAL CHIP	75	5%	1/10W
R804	1-218-285-11	METAL CHIP	75	5%	1/10W
R805	1-218-285-11	METAL CHIP	75	5%	1/10W
R806	1-216-864-11	SHORT CHIP	0		
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-218-285-11	METAL CHIP	75	5%	1/10W

VIDEO X-ROUND

Ref. No.	Part No.	Description			Remark
R809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-216-807-11	METAL CHIP	68	5%	1/10W
R812	1-216-857-11	METAL CHIP	1M	5%	1/10W
R813	1-216-845-11	METAL CHIP	100K	5%	1/10W
R814	1-216-833-11	METAL CHIP	10K	5%	1/10W
**********					
		PLACA X-ROUND			
		**********			
		< CAPACITOR >			
C1040	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONECTOR >			
* CN1153	1-784-729-11	SOCKET, CONNECTOR 7P			
		< LED >			
D1040	8-719-064-63	LED SELU5823C-TP15 (FADER)			
D1042	8-719-064-63	LED SELU5823C-TP15 (RANDOM)			
D1044	8-719-064-63	LED SELU5823C-TP15 (FADER)			
D1046	8-719-064-63	LED SELU5823C-TP15 (BEAT MAX)			
D1048	8-719-064-63	LED SELU5823C-TP15 (BEAT JUMP)			
D1050	8-719-064-63	LED SELU5823C-TP15 (BEAT JUMP)			
D1052	8-719-064-63	LED SELU5823C-TP15 (BALANCE)			
D1054	8-719-064-63	LED SELU5823C-TP15 (BALANCE)			
D1056	8-719-064-63	LED SELU5823C-TP15 (BEAT MAX)			
D1058	8-719-064-63	LED SELU5823C-TP15 (RANDOM)			
		< JUMPER RESISTOR >			
JR915	1-216-864-11	SHORT CHIP	0		
JR1041	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q1041	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
		< RESISTOR >			
R1041	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1042	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1044	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1045	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1046	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1047	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1048	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1050	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1051	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1052	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1053	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1054	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1055	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1056	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1057	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1058	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1059	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1060	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1061	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1062	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1063	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1064	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1065	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1066	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1067	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< CHAVE/ ENCODER ROTATIVO >			
S1040	1-479-203-11	ENCODER (ROTARY) (X-ROUND JOG)			
S1041	1-762-875-21	SWITCH, KEYBOARD (BEAT PAD)			
S1042	1-762-875-21	SWITCH, KEYBOARD (BEAT MAX)			
S1043	1-762-875-21	SWITCH, KEYBOARD (BEAT JUMP)			
S1044	1-762-875-21	SWITCH, KEYBOARD (RANDOM)			
S1045	1-762-875-21	SWITCH, KEYBOARD (WAVE)			
S1046	1-762-875-21	SWITCH, KEYBOARD (FADER)			
S1047	1-762-875-21	SWITCH, KEYBOARD (BALANCE)			
S1049	1-786-967-11	SWITCH, TACTILE (SPEAKERS/X-ROUND OFF)			
**********					
		DIVERSOS			
		**********			
55	1-828-991-11	CABO (TIPO FLAT) (17VIAS)			
57	1-921-115-42	CABO (TIPO FLAT) (7 VIAS)			
58	1-921-098-11	CABO (TIPO FLAT) (17VIAS)			
113	1-417-658-11	MECHA DECK (CWN42RR603)			
115	1-921-084-41	CABO (TIPO FLAT) (11 VIAS)			
⚠151	1-468-737-51	POWER SWITCHING			
152	1-693-703-11	TUNER (FM/AM) (TM10SE)			
154	1-828-358-11	CABO (TIPO FLAT) (19 VIAS)			
156	1-828-973-11	CABO (TIPO FLAT) (13 VIAS)			
157	1-921-098-31	CABO (TIPO FLAT) (9 VIAS)			
203	1-828-326-11	CABO (TIPO FLAT) (13 VIAS)			
205	1-828-332-11	CABO (TIPO FLAT) (13 VIAS)			
206	1-921-115-31	CABO (TIPO FLAT) (21 VIAS)			
207	1-921-063-72	CABO (TIPO FLAT) (24VIAS)			
⚠258	1-928-185-04	CABO DE FORÇA			
502	1-776-182-11	CABO (TIPO FLAT) (5 VIAS)			
⚠571	8-820-322-01	OPTICAL PICK-UP BLOCK (KHM-313CAB/ C2NP) (Includ motor sled, motor spindle)			
D656	8-719-073-32	DIODE D25XB60			
D658	8-719-066-42	DIODE RBV1306 (ZX80D)			
⚠F1241	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (8A/250V)			
⚠F1251	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (8A/250V)			
⚠F1261	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (8A/250V)			
⚠F1271	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (8A/250V)			
⚠F1281	1-532-465-33	FUSE (3.15A/250V)			
⚠F1291	1-532-465-33	FUSE (3.15A/250V)			
M501	1-763-372-11	FAN, DC			
M502	1-763-372-11	FAN, DC			
M741	A-1108-965-A	MOTOR ASSY, TABLE			
M751	A-4737-553-A	MOTOR ASSY, LOADING			
S711	1-477-680-12	ENCODER, ROTARY (DISC TABLE ADDRESS DETECT)			

Ref. No.	Part No.	Description	Remark
⚠T1200	1-443-976-11	TRANFORMADOR DE FORÇA	

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SS-CT100D/ZX80DP/ ZX100D

MANUAL DE SERVIÇO

Brazilian Model

Ver. 1.0 2006.05

Foto: SS-CT100D

Foto: SS-ZX100D

- SS-CT100D é a caixa central no FST-ZX80D
- SS-ZX100D são as caixas frontal e surround no FST-ZX80D

- SS-ZX80DP é a embalagem das caixas acusticas frontal,central e surround no FST-ZX80D

	SS-ZX80DP	
Caixa Frontal	SS-ZX100D	
Caixa Surround	SS-ZX100D	
Caixa Central	SS-CT100D	

ESPECIFICAÇÕES

Caixa (Frontal / Surround) SS-ZX100D

Sistema	2 vias, tipo bass reflex, magneticamente blindado
Unidades de alto-falantes	
Woofer	22 cm, tipo cone
Tweeter	5 cm, tipo cone x 2
Impedância nominal	6 ohms
Dimensões (LxAxP)	Aprox. 308 × 365 × 480 mm
Peso	Aprox. 10.0 kg kg cada caixa

Caixa Central SS-CT100D

Sistema	Full range, 2 unidades, tipo bass-reflex, magneticamente blindado
Unidades de alto-falantes	
Full range	8 cm, tipo cone x 2
Impedância nominal	16 ohms
Dimensões (LxAxP)	Aprox. 268 × 107 × 117 mm
Peso (Aprox.)	1.6 kg

Projetos e especificações sujeitos a alterações sem prévio aviso.

CONJUNTO DE CAIXAS ACÚSTICAS

Sony Corporation
Sony Brasil Ltda.
Publicado por Engenharia da Qualidade

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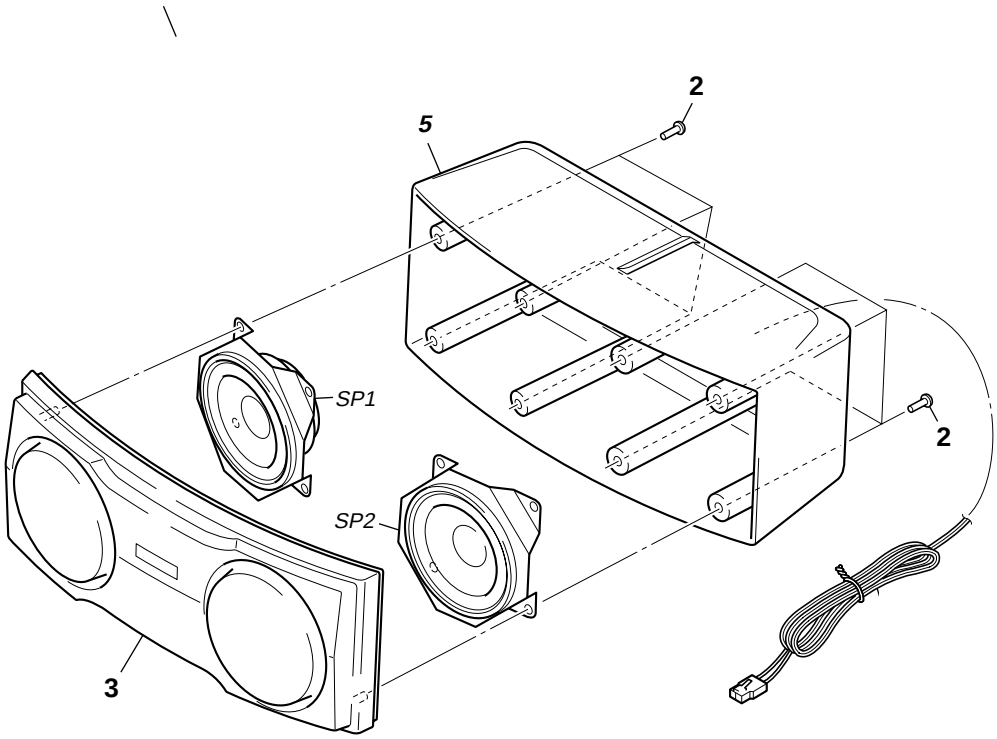
SONY®

10 VISTA EXPLODIDA

NOTA:

- -XX e -X significam peças padronizadas, então podem haver diferenças em relação a peça original.
- Itens marcados por "*" não possuem estoque para venda. Para evitar atrasos antecipe o pedido destes itens.
- Peças mecanicas não identificadas na vista explodida não são fornecidas.

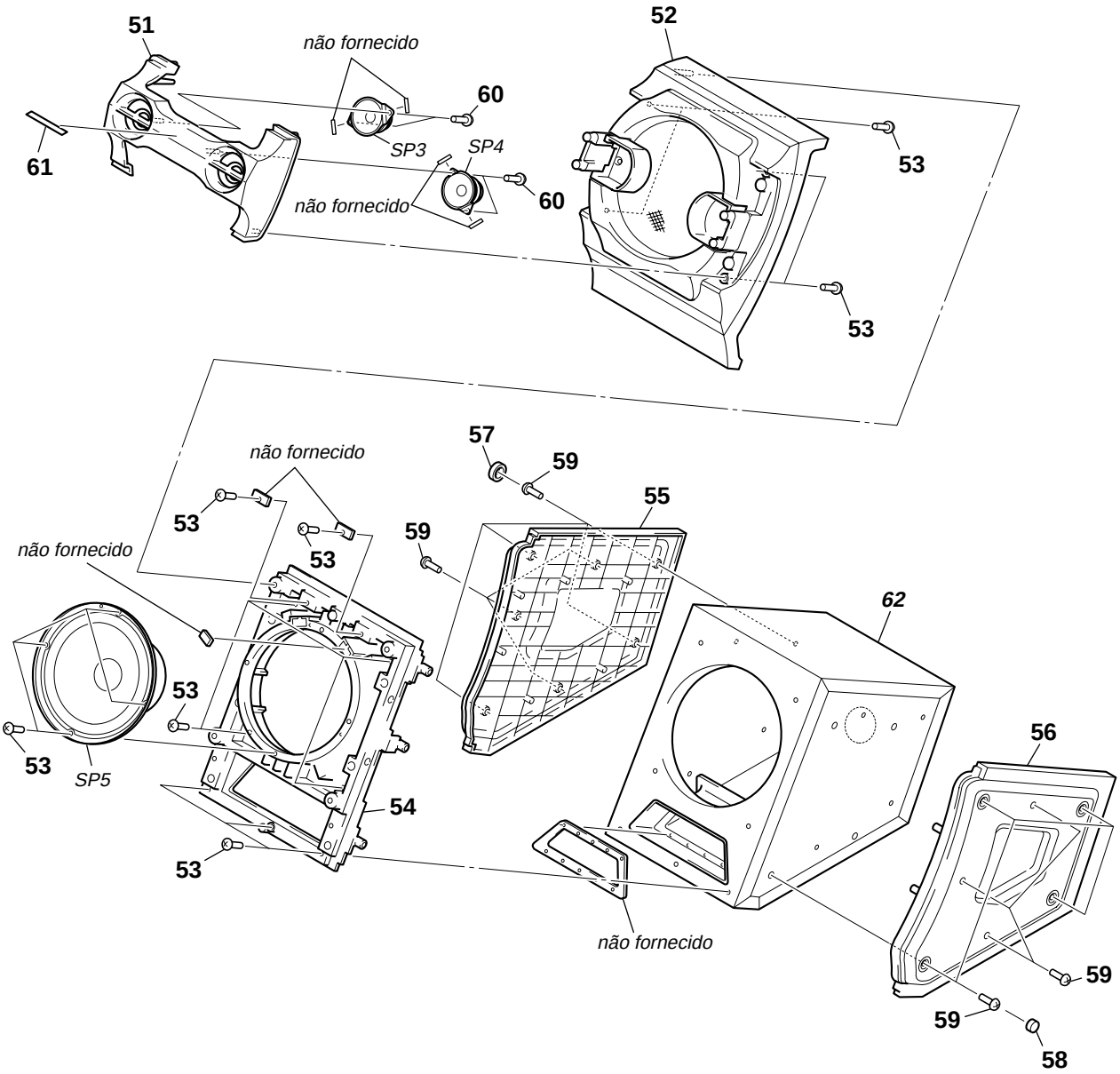
10-1. SS-CT100D (CAIXA CENTRAL)



Ref. No.	Part No.	Description	Remark
2	4-874-614-21	SCREW (1) (3.5X14), TAPPING	
3	**Y-8285-411-A**	**FRONT PANEL ASSY**	
4	**1-537-332-13**	**TERMINAL (CAIXA ACUSTICA0**	
5	**Y-8285-415-A**	**GABINETE ACUSTICO MONTADO**	

Ref. No.	Part No.	Description	Remark
SP1	**1-826-375-31**	**ALTO FALANTE (8cm)**	
SP2	**1-826-375-31**	**ALTO FALANTE (8cm)**	
6	***1-928-364-01***	***FIO PREPARADO A***	
7	***1-928-365-01***	***FIO PREPARADO B***	

10-2. SS-ZX100D (CAIXAS: FRONTRAL/ SURROUND)



Ref. No.	Part No.	Description	Remark
51	Y-8285-414-A	SUB PAINEL, MONTADO	
52	Y-8285-412-A	PAINEL FRONTAL, MONTADO	
53	4-874-614-02	PARAFUSO (1) (3.5X14), TAPPING	
54	2-663-061-01	PEDESTAL	
55	2-663-063-01	PAINEL LADO L	
56	2-663-062-01	PAINEL LADO R	
57	2-663-078-01	PE B	
58	2-663-077-01	PE A	
59	4-874-614-12	PARAFUSO (1) (3.5X14), TAPPIN	
60	4-986-971-01	PARAFUSO (3.5)	
61	2-669-801-01	EMBLEM, X-TRANCE	
62	*Y-8285-413-A*	*GABINETE ACUSTICO, MONTADO*	
SP3	1-826-371-11	ALTO FALANTE (5cm)	
SP4	1-826-371-11	ALTO FALANTE (5cm)	
SP5	1-826-372-11	ALTO FALANTE (20cm)	

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Junho / 2006

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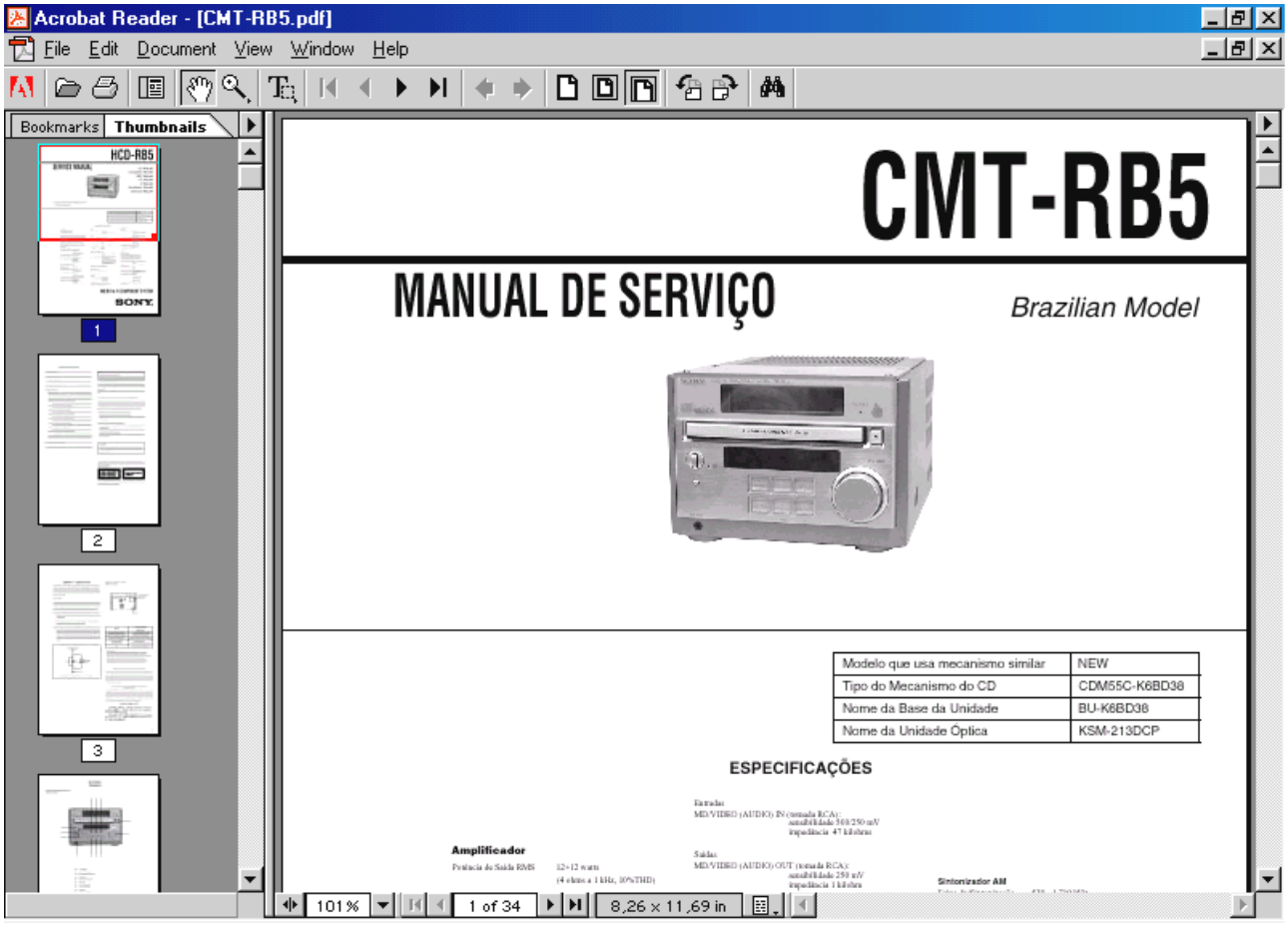
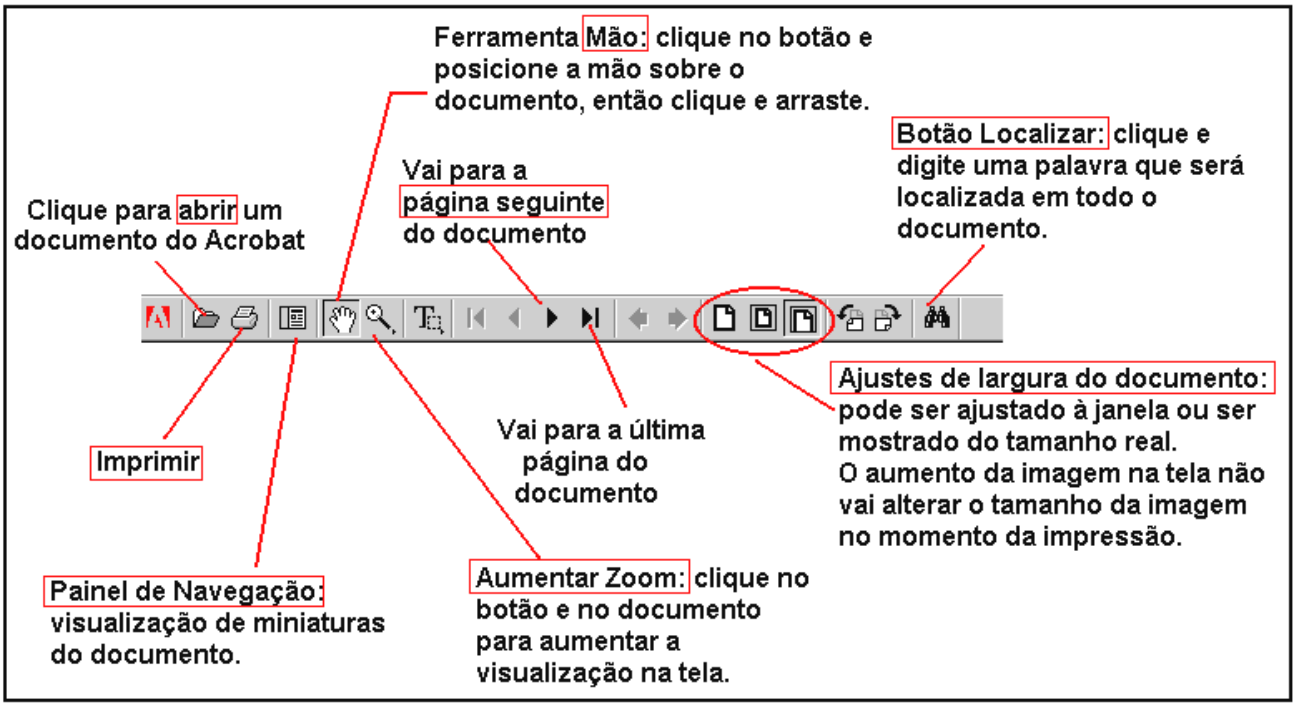
Guia de Comandos Básicos do Acrobat Reader 5.05

Adobe® Acrobat®

Esta é a tela do programa, quando se abre um manual:



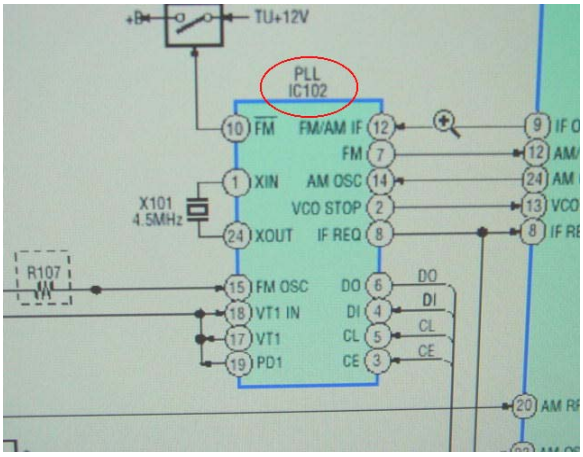
Barra de Comandos


Ferramenta Mão: clique no botão e posicione a mão sobre o documento, então clique e arraste.
Botão Localizar: clique e digite uma palavra que será localizada em todo o documento.
Vai para a página seguinte do documento
Clique para abrir um documento do Acrobat
Ajustes de largura do documento: pode ser ajustado à janela ou ser mostrado do tamanho real. O aumento da imagem na tela não vai alterar o tamanho da imagem no momento da impressão.
Vai para a última página do documento
Imprimir
Painel de Navegação: visualização de miniaturas do documento.
Aumentar Zoom: clique no botão e no documento para aumentar a visualização na tela.

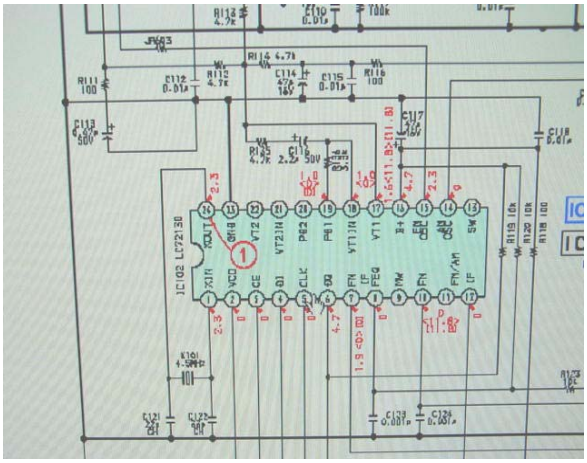
Recurso de Localização de Componentes

Alguns manuais de serviço estão habilitados com uma função que permite localizar mais facilmente um circuito integrado (IC) em seu diagrama esquemático correspondente, diagrama em blocos ou placa de circuito impresso.

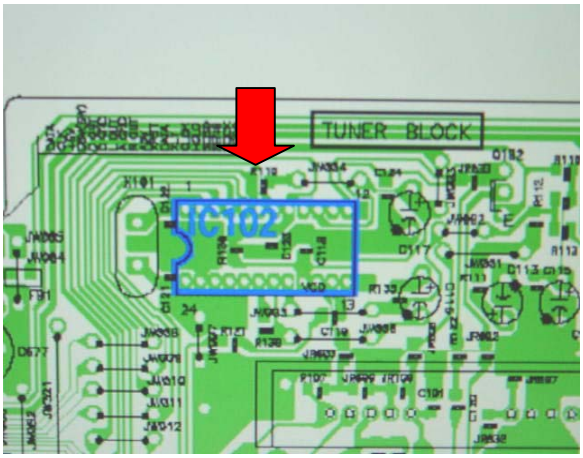
Para isso, abra um manual de serviço, por exemplo o do MHC-DX30 e visualize uma página da lista de peças elétricas, onde existam alguns IC's listados. Ao posicionar o ponteiro do mouse sobre a linha onde está um IC, sobre sua localização, ou valor, você vai verificar que aparece uma "mãozinha", na verdade, o dedo indicador que fica apontando a linha. Se você der um clique, você será levado pelo programa à pagina do diagrama esquemático onde se encontra o referido IC que você selecionou. Vamos ilustrar o que foi explicado logo a seguir:



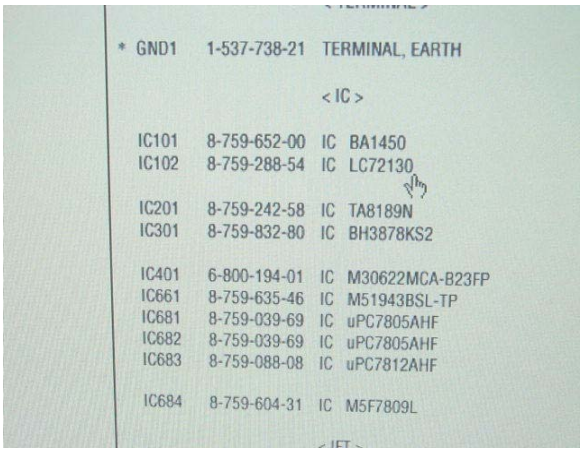
Abra a página correspondente ao diagrama em bloco e posicione o ponteiro do mouse sobre o IC escolhido . Quando o cursor tornar-se uma "mãozinha" dê um clique sobre o IC.



O programa trará você à página do diagrama esquemático correspondente que contém o IC escolhido. Clique novamente sobre o IC.



O programa trará você à página correspondente a placa de circuito impresso que contém o IC escolhido. Clique novamente sobre o IC. sobre o IC.



Por fim o programa visualiza o ponto da lista de peças onde o IC escolhido está localizado. Ao clicar novamente sobre o componente o cliclo se repete (diagrama em bloco, esquemático, placa de circuito impresso e lista de peças. Vale lembrar que nem todos os manuais de serviço possuem esse recurso.

Notas

- O tamanho da visualização do documento na tela em nada altera o tamanho de impressão. O Zoom de aumento ou de diminuição serve apenas para oferecer mais detalhes ou um aspecto geral do documento visualizado.

- O painel de navegação serve para agilizar o acesso a outras páginas que não estão sendo visualizadas. Para visualizar uma dessas miniaturas em seu tamanho normal, basta clicar duas vezes sobre ela e então esta será exibida na tela.

- Não é possível alterar texto, figuras ou qualquer item do documento no Acrobat Reader 5.0. Este programa é usado somente para visualização e impressão de documentos PDF.

- Diagramas e demais folhas do documentos PDF só poderão ser impressos em tamanho maior caso a impressora suporte papel com dimensão superior ao A4, carta ou semelhante. Do contrário só poderá ser impresso no tamanho A4 padrão.

Engenharia da Qualidade – Novembro 2003

teruaki_nakagawa@ssp.br.sony.com

VOLTAR

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Engenharia da Qualidade - SSP

Orientação de Impressão no Acrobat Reader 5.05

Adobe PDF
Acrobat® Reader™ 5.0
Saiba mais no endereço www.brasil.adobe.com/acrobat
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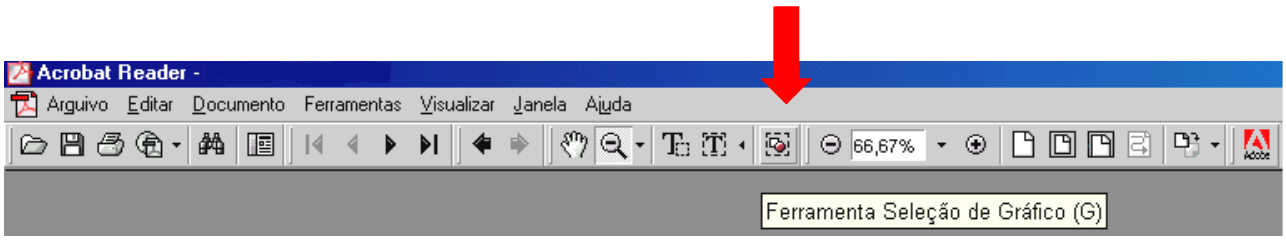
Dê o primeiro passo! Adquira o Acrobat 5.0 e:
• Converta facilmente os documentos para Adobe PDF
• Compartilhe comentários e aprove ou proteja documentos com eficiência
E muito mais!

É possível imprimir alguns quadros pré-selecionados de forma ampliada no Acrobat Reader. Esse comando é muito útil quando é necessária fazer a impressão de diagramas elétricos.

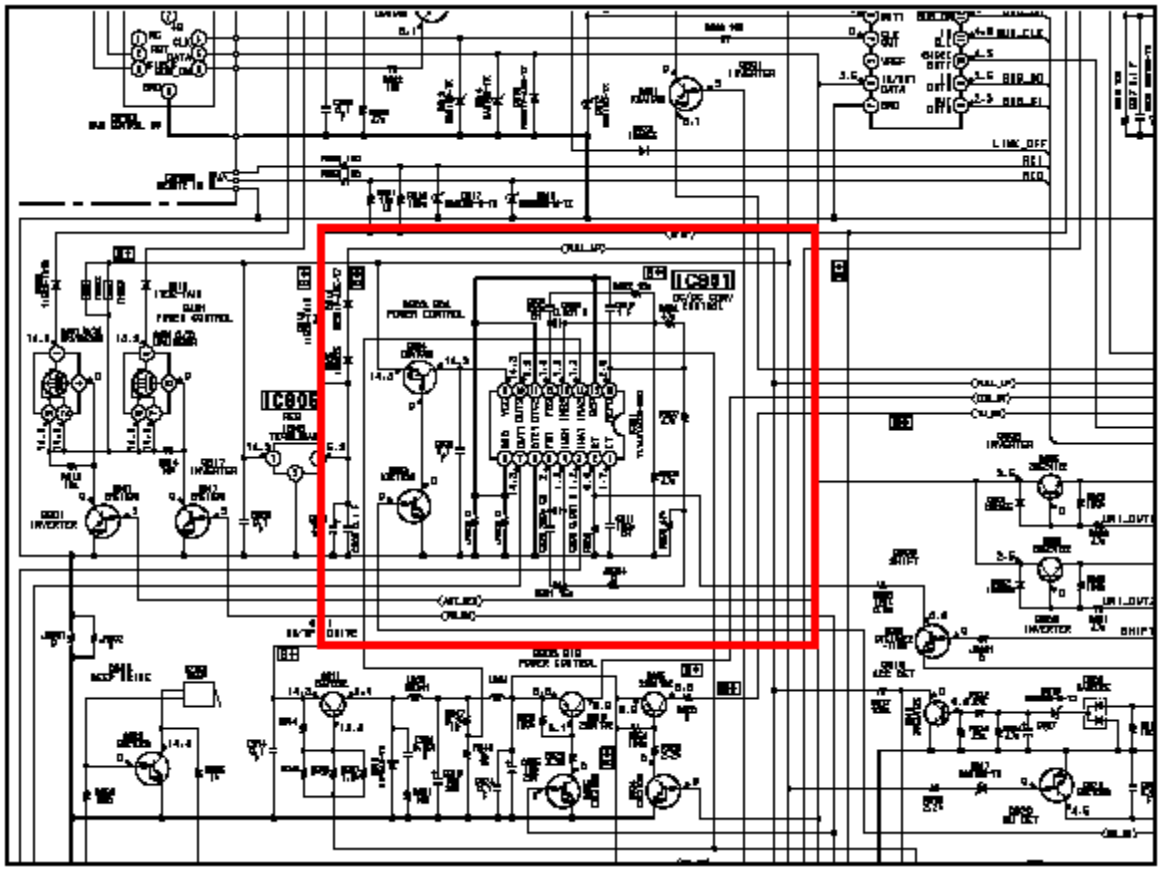
A sequência abaixo mostra, passo a passo como selecionar uma parte de uma folha qualquer (nesse exemplo usaremos um diagrama elétrico) e configurar sua impressão.

Temos no Acrobat Reader a barra abaixo. Leve o cursor do mouse até o botão indicado pela seta e fique pressionando o botão do mouse.

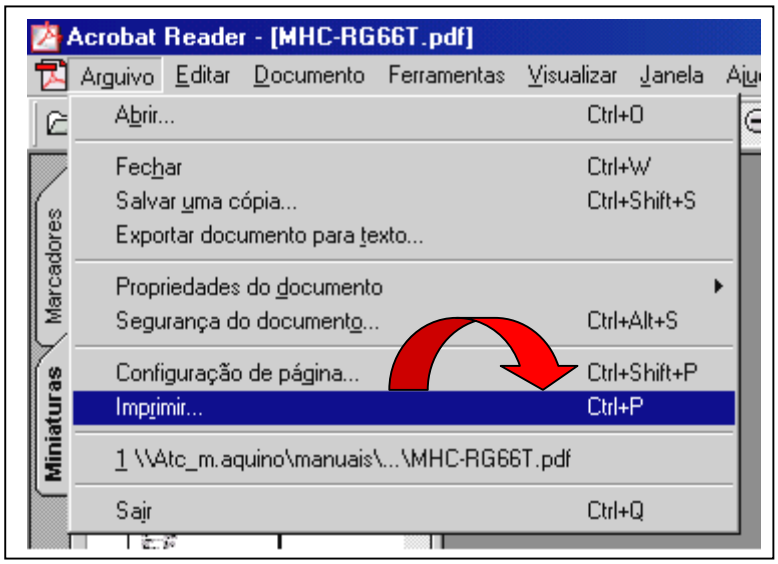
Segurando o botão uma barra oculta aparecerá, então expanda conforme abaixo. O botão final a ser clicado para que o comando seja selecionado é o da **FERRAMENTA DE SELEÇÃO DE GRÁFICO (G)**



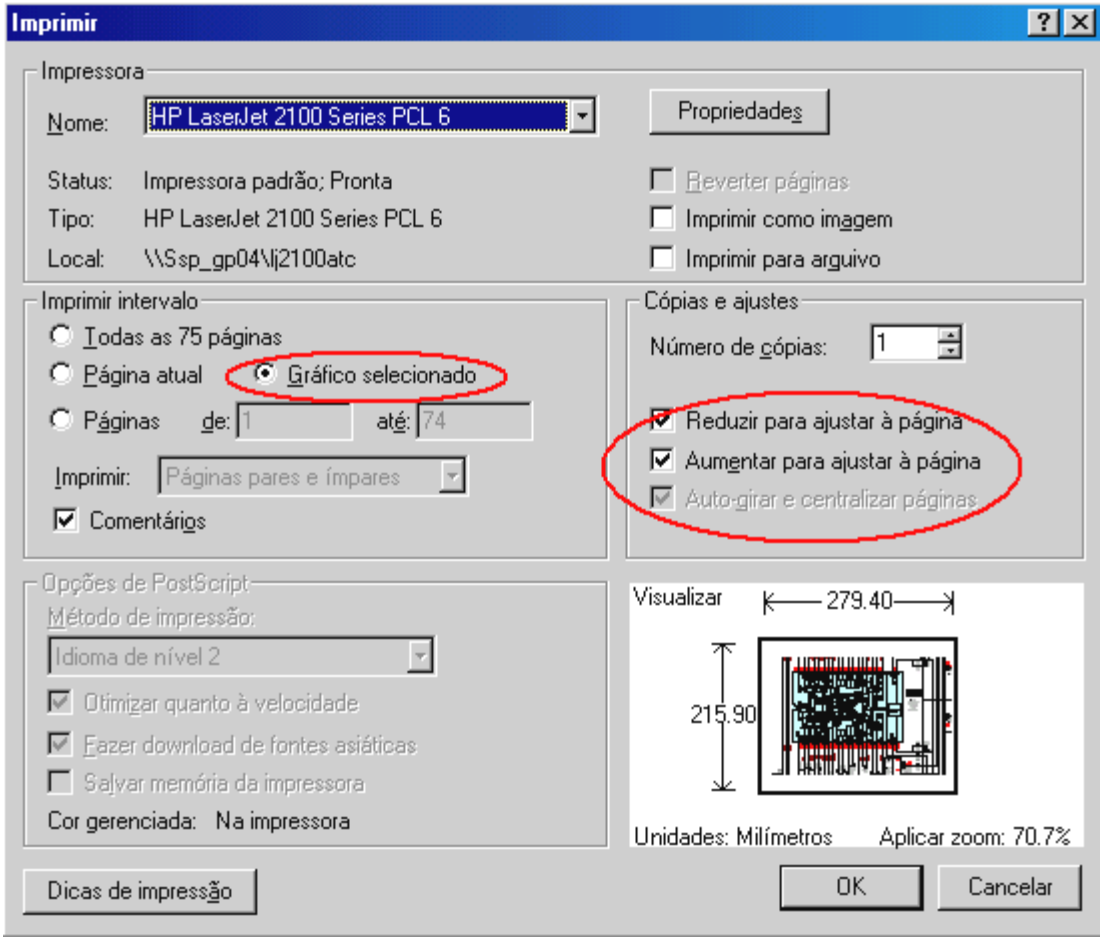
Agora com o cursor selecione uma área do diagrama que deseja imprimir de forma ampliada. A área escolhida nesse exemplo é o quadrado de linhas espessas.



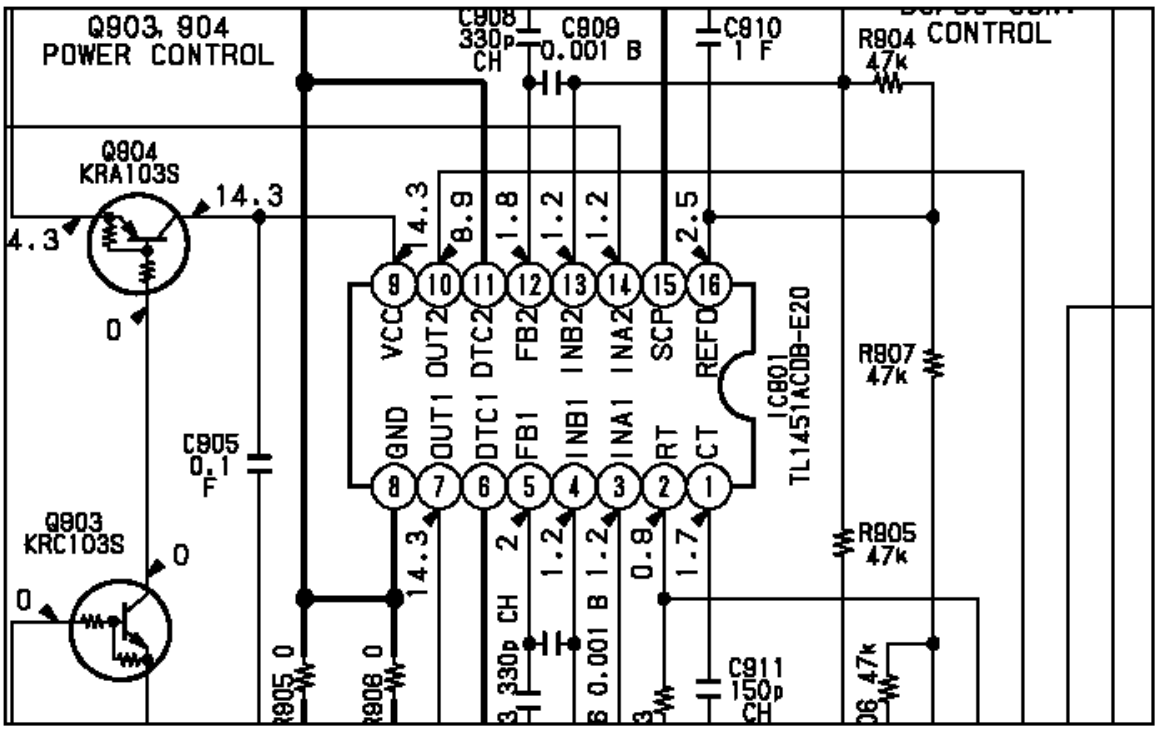
Agora vá até o menu de impressão seguindo o procedimento a seguir, clicando em **IMPRIMIR**, indicado pela seta:



Na janela que se abre verifique se as opções indicadas em vermelho (circuladas) estão habilitadas. Assim, quando imprimir a área do gráfico, esta parte será expandida por toda a folha de papel A4.



Após a impressão verificamos que o diagrama ficou realmente ampliado, conforme exemplo:



Notas

O mesmo procedimento pode ser repetido para outras páginas dos manuais, como lista de peças, bem como pode ser utilizado papel tamanho A3 (420 x 297 mm) para impressoras que suportem esse formato.

Outros comandos podem ser encontrados no **"Guia de Comandos Básicos do Acrobat Reader"**, que também consta neste CD e em anteriores.

Lembramos novamente que não é possível alterar texto, figuras ou qualquer item do documento no Acrobat Reader 5.05. Este programa é usado somente para visualização e impressão de documentos PDF.

Mais informações podem ser obtidas em "**Ajuda**".

Dúvidas e sugestões devem ser encaminhadas para **Teruaki** através do e-mails:

teruaki_nakagawa@ssp.br.sony.com